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WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Iowa Farmers Speak Up

ALL over Iowa in the past months, the scene at the left was repeated. In township meetings, at county meetings, farmers talked, listened, argued. They wrote and re-wrote resolutions. They elected officers and delegates.

And they are not yet thru. Delegates elected from each county will gather for the Iowa Farm Bureau convention in Des Moines, November 28. There, they will put together the county resolutions into one program.

Out of that state convention should come a program which represents the ideas of the majority of Farm Bureau members in Iowa. If it doesn't, no one can say the Farm Bureau organization didn't try to sound out its members.

County organizations sent out lists of topics on which they particularly desired members to express views. In some counties, these lists were mailed to every member, so that each could express his opinions by return mail in case bad roads or pressure of work kept him home the nights of the township and county meetings.

But farm organization meetings are not all work and serious discussion. There's time for visiting, relaxation, fun. For a report on one county meeting, turn to page 9.

At The recent annual meeting of the Mahaska county, Iowa, Farm Bureau, Bob Jones speaks from the floor.

When Do Corn Acres Go Up? . . Page 5

Trapping For Fun And Profit . . . Page 34

Doughnut And Cider Season . . . Page 44

NOVEMBER 19, 1949

IOWA'S LEADING FARM NEWSPAPER

Here's the tractor tire most farmers want

IN a recent Maine-to-California survey, farmers everywhere voted Goodyear SUPER-SURE-GRIPS as their first-choice tractor tire—*for two important reasons.*

1—Deeper soil penetration—greater pull. Goodyear's exclusive open center tread design gives lugs a deeper, wider bite. Goodyear lugs have no hooks, knobs or elbows to blunt their bite. They penetrate soil and sod *full-depth* and *full-length*—take a firmer grip—exert a stronger pull—keep tractors working where other tires slip. *Twelve years' farm experience proves it!*

2—Balanced tread design—longer wear. Note, too, that the Goodyear open center tread lugs are *all* equal size and equal spaced—there are no "longs" and "shorts." This means every lug works equally, pulls equally, wears evenly. It means a smoother, steadier pull—less vibration—an easier ride—plus longer life.

Remember, tractors pull only as well as their tires penetrate and grip the soil. That's why Goodyear o-p-e-n c-e-n-t-e-r SUPER-SURE-GRIPS are America's most wanted tractor tires because farmers know they give "the greatest pull on earth!" They last longer, too—but you pay no more for them.

We think you'll like "THE GREATEST STORY EVER TOLD"—Every Sunday—ABC Network

GOODYEAR

Super-Sure-Grip Tractor Tires

Super-Sure-Grip—T.M. The Goodyear Tire & Rubber Company

WHY ARE MM SHELLERS THE LEADING SELLERS?

MINNEAPOLIS-MOLINE MODERN MACHINERY

CLEANER, FASTER SHELLING MAKES MM THE PREFERRED SHELLER

MM quality Corn Shellers give you more for your money by shelling corn faster, cleaner, easier and better and shelling all corn without cracking the kernels or breaking the cobs to bits. MM Model D and E Corn Shellers are engineered and built to run longer . . . to give more seasons of trouble-free service . . . to stand-up under all shelling conditions. That's why MM Shellers are leading sellers—they're the preferred sheller!

MM SHELLERS OPERATE EASIER! MM Shellers have fewer moving parts and the high-speed roller and ball bearings are pressure lubricated and designed for heavy duty. Owners say that MM Corn Shellers shell more corn with less tractor or engine power—practically all the power is channeled direct to the corn shelling mechanism. MM Shellers can be backed into close quarters and wheeled right up to crib on two transporting wheels. All-steel, high-capacity drag conveyor operates by heavy-duty roller chain drive, has inclined 6-foot section, 10-foot sections, and 2-foot outer stub section.

MM SHELLERS ARE SAFER! MM Corn Shellers are built for safe, dependable operation season after season. There are fewer moving outside parts and these are carefully shielded by protective guards. Belt and chain tighteners are easily adjusted for your protection. No fly wheels are used.

MM SHELLERS LAST LONGER! Cylinder cages on Model D and E Corn Shellers require no adjustments or changing, and they are carefully balanced to eliminate vibration. Round steel rods supported by strong steel bands do not break or scratch and crack the corn . . . never need to be sharpened, ground adjusted and seldom have to be replaced. MM Shellers have only one countershaft — no unnecessary gears, chains and sprockets to waste power and require attention. High carbon steel countershaft drive gears have cut teeth for longer life, quiet operation. Drive gears are fully enclosed and run in oil. Rugged construction throughout assures longer life and thorough, dependable service.

MM SHELLERS FIT YOUR REQUIREMENTS! MM Corn Shellers come in two sizes for the large or small corn grower. Model D has capacity of up to 200 bushels of snapped corn and up to 300 bushels of husked corn per hour and operates with 1 to 2 plow tractor power. Model E has capacity of up to 1000 bushels of snapped corn and up to 1200 bushels of husked corn per hour and runs with power of 2 to 3 plow tractor. MM Shellers shell all types of ears quickly and are equipped with easily attached husking pegs for handling ears with extra heavy husks.

MM SHELLERS PROVIDE CLEANER CORN! MM's Corn Shellers clean better under all conditions with combined *blast* of the cleaning fan and *suction* of the suction fan operating together over entire length of adjustable cleaning shoe. Shelled corn is *thoroughly* clean before it is delivered into elevator. Efficient suction fan removes husks and wastes from the cob rack assuring cleaner cobs.

MM SHELLERS ARE IDEAL FOR CUSTOM WORK! Model D and E Corn Shellers are used in many localities for custom work on neighboring farms. Truck chassis can be used to mount the Model DB and EB which have same high quality as the Model D and E and are similar in construction. MM DA and EA are popular models for warehouses and grain elevators and feature all the MM quality and long-life dependability! MM Shellers are priced right!

MORE FEATURES HELP YOU DO MORE WORK BETTER AND IN LESS TIME!

- Smooth shelling gets all the corn without cracking or breaking
- Combined cleaning fan blast and suction fan action get the shelled corn cleaner.
- Two wheels permit easy backing and shifting in close quarters
- Fewer adjustments and fewer moving parts require less attention
- Fewer outside moving parts make shellers safer and easier to operate
- Cylinder cage requires no attention, adjustment, or sharpening.
- MM Shellers are light running, easy to transport, and easily lubricated
- MM Shellers shell husked or snapped corn

See Your Neighborly, Neighborhood MM Dealer for Complete Facts on MM Corn Shellers and Other MM Modern Machines, Visionlined Tractors, and Power Units.

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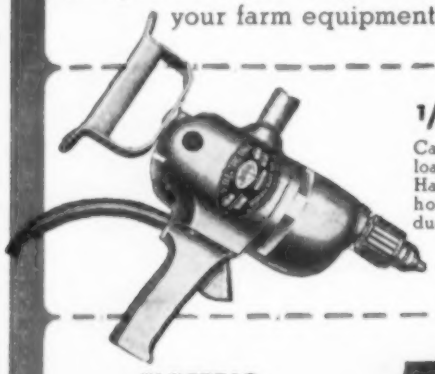


1/2" ELECTRIC DRILL

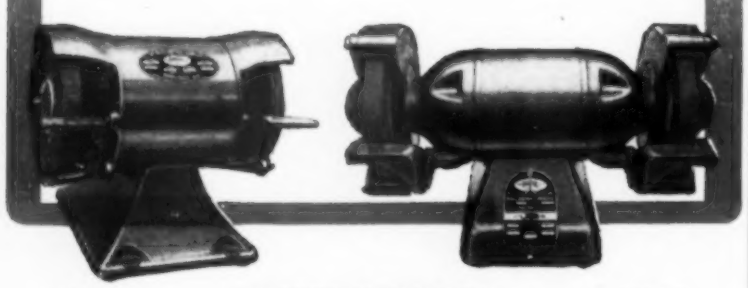
Capacity in steel up to ½". No load 525, full load 290 R. P. M. Handles Hole Saws to 2½" hole. Equipped with 3 conductor cable and plug.

LIST $53.50

ELECTRIC TOOL SET

For Drilling, Grinding, Wire Brushing, Cleaning, etc. Set includes ¼" Electric Drill—handles to 1" Hole Saw; Horizontal Stand; 4" Wire Brush (2); 4" Grinding Wheel; Arbor, ½" dia., ¼" Shank; Arbor for Hole Saws; One each of ⅝"—¾"—⅞" and 1" High Speed Hole Saws; Metal Set Box.

LIST $53.00



6" LIST $39.70

BENCH GRINDERS (BALL BEARING MOTORS)

7" LIST $79.50

Permanently lubricated. Adjustable Tool Rests. Enclosed Guards. One fine—one coarse grinding wheel included. MOTOR: 7", ⅓ h. p., 6", ¼ h. p.

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Manufacturers of the Famous SIOUX TOOLS

"Gleaners Wanted." Vocational agriculture teachers, like Verne Knecht, Pocahontas county, Iowa, helped a lot in the last month in organizing corn gleaning crews among high school students.

INSIDE STUFF

"I PICKED UP corn all day yesterday," said a farm woman in northwestern Iowa. "I just hope my fingers limber up enough today so I can play the piano at the program tonight."

▲ ▲

GLEANING CORN put whole families — from 10-year-olds to Grandpa—into the field this fall. Corn belt farm families all get in and hustle when an emergency shows up.

▲ ▲

I WATCHED fall plowing on some fairly steep slopes between Waterloo and Dubuque last week. And no contouring. Won't some of that top dirt slide downhill before planting time?

▲ ▲

HOW FAR can the plan of hybrid corn — crossing inbreds — be applied to poultry and livestock? Every farmer likes to speculate about this.

▲ ▲

AT THE SAME TIME Henry A. Wallace was working with hybrid corn, he also began experimenting with inbred lines of poultry. This work is being carried on in the corn belt by his son, H. B. Wallace.

▲ ▲

I SAW SOME of H. B.'s results the other day. He and his associates have developed a number of inbred strains. This usually means three or four generations of brother-sister mating.

▲ ▲

CROSSING these inbred strains, in three or four-way combinations, sometimes gives extraordinary results in productivity. Of course, some of the inbreds turn out to be worthless. Some of the crosses don't come out well. These are discarded, as in corn breeding.

"BIGGEST PROBLEM with chicks like these Hy-Lines," said one farmer, "is to give them enough feed. A fellow just doesn't realize how much feed a 300-egg hen needs."

▲ ▲

IN EXPERIMENTAL pens, the pullets get all the corn they want; but the rest of the feed is a prepared mash. Apparently, they don't overeat on corn and don't get fat.

▲ ▲

MERRILL GREGORY, managing editor of Wallaces' Farmer and Iowa Homestead, spent four days at Washington to get for you the hints on farm income prospects in the article on page 24.

▲ ▲

ECONOMISTS from all over the United States met on those four days to speculate about the future of farm income. Like you and me, they don't always agree.

▲ ▲

EVERY FARMER who enjoyed the old corn husking contests will appreciate the efforts of Station WMT to try a husking contest with mechanical pickers. Wally Inman has a report of the affair on page 31.

▲ ▲

THE OLD CONTEST, as everybody well remembers, featured a race of 120 minutes, with wagons and huskers starting out even. That gave spectators time to look over each contestant and check speed and technique.

▲ ▲

WITH MECHANICAL pickers, the actual husking is over in 20 minutes. The old thrill of the neck-and-neck race down the field is gone.

DONALD R. MURPHY.

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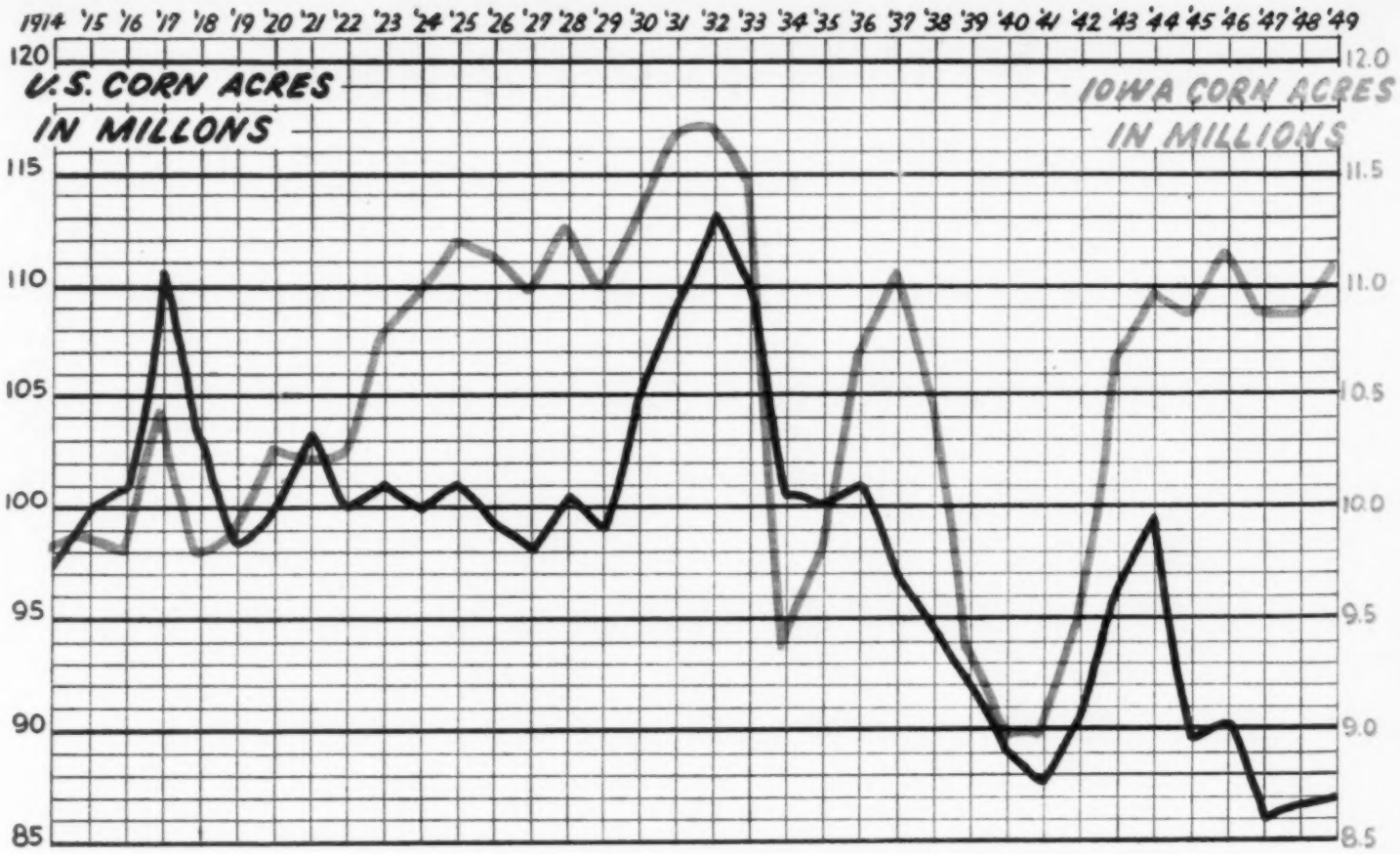


Red line and figures show Iowa corn acreage for 25 years; black line and figures are national corn acreage.

More Corn Acres In Hard Times

By HOMER HUSH

DO YOU raise more acres of corn during wars and depressions? Then do you drop corn acres to lower levels as soon as the war or depression ends?

That's the pattern farmers of the nation follow. But Iowa farmers follow a little different course. Look at the chart above. It shows 25-year corn acreage changes for both Iowa and the nation.

Iowa farmers increase corn acreage under three conditions: (1) When wars begin, (2) when times are hard and corn is cheap, and (3) when drouth years make feed scarce.

Iowa farmers are less inclined to reduce corn acreage after an emergency has passed than are farmers of the nation as a whole. Comparisons are interesting.

Immediately after World War I, both Iowa farmers and the nation's farmers dropped corn acreage sharply. But they didn't follow the same line very long.

Iowa farmers increased corn acreage steadily during the farm depression years beginning with 1921. They reached a peak of 11,849,000 acres in 1932.

But the nation's farmers held corn acreage pretty steady thru 1920 to 1929 at about 100 million acres. It wasn't until 1929 that the nation's farmers began to try to raise enough corn to beat the depression.

Then, after 1932, both farmers of the nation and Iowa farmers reduced corn acreage sharply. This was the period of the AAA crop reduction program.

But, with the drouth years of 1934 and 1936, some effect on corn acreage is noticed. Iowa farmers increased corn acreage by a million and a half acres. The nation's farmers merely stopped the decline of corn acreage for a few years.

The lowest corn acreage in the last 25 years was reached in 1940 and 1941. Then came the war, to increase acreage again.

Iowa farmers increased corn acreage about 22 per cent. The nation's farmers increased corn acreage about 15 per cent.

After the war, the lines separate again. The nation's farmers reduced corn acreage sharply. But Iowa farmers have kept corn acreage at a very high figure.

Only in the depression days of the early thirties were Iowa farmers planting more acres of corn than they have been planting in the past five or six years.

This would indicate that Iowa farmers are the worst sinners in the nation when it comes to wearing out land and piling up surpluses with high corn acreages.

What are the forces connected with wars and depressions that make farmers change corn acreages?

1. The propaganda about food winning the war seemed to be very effective at the start of both world wars.

2. Very low prices for corn seem to increase corn acreage planted. But corn acreage has often gone down while corn was selling at an inflated price.

3. The AAA program seemed to make a real showing in decreasing corn acres in the period from 1933 to 1940.

Just what is holding Iowa corn acreage at high levels now seems hard to explain. National acreage is near the lowest point in a quarter of a century.

Iowa corn acreage is so high that even with a 15 per cent reduction, under a PMA corn acreage allotment, Iowa farmers would be raising more corn than in 1940 or 1941.

One Big Corn Field describes Iowa during both wars and depressions. Usually, corn acreage goes down after the war or depression comes to an end.

Editorials

Keep Light Hogs Going To Market

EGG prices are going down. Hog prices are going down. But who is surprised?

Farmers knew long ago, when they saw the figures on 1949 chicken and pig production, that prices would sag when spring pigs hit the market. And when pullets began to lay.

By sensible marketing, hog producers have helped to keep the price drop moderate. About half of the 1949 increase in spring pigs has already been sold.

If farmers sell the rest at light weights, and refuse to flood the market, prices may stay near supports most of the time.

Federal buying of pork, of course, will be needed to keep the market up. And even federal buying, at times, may not be enough to keep hogs at support levels.

Every farmer who sells hogs at less than $15 in November, or less than $14.20 in December, will wonder why production payments aren't being used. As most farmers know, a production payment is a government check to make up the difference between the actual price and the support price.

The same question comes up with eggs. Why pile up stocks of dried eggs? It would be better to let the price drop, get more eggs eaten, and make up the difference to farmers thru production payments.

Lower prices will force better methods to support farm income.

Cat Crop Good

No matter what kind of weather, or how many corn borers, there are always plenty of kittens.

Elizabeth Hanken, three, daughter of Gerald Hanken, Hamilton county, Iowa, thinks kittens are the farm's best crop.

Older people might put little girls—like Elizabeth—in first place. Or little boys.

Corn Acres Into What You Please

THE longer you size up the new farm law, the worse it looks. Now it seems that there is no way to tie the different adjustment programs together.

If you sign up to take 20 acres out of corn, you can put that acreage into anything else—soybeans, wheat, oats or other feed crops.

If there are allotments on soybeans, and you put your 20 acres into beans, you wouldn't be able to get a federal loan on beans. But you would still get your corn loan.

This means a lot of changing around, at the cost of work and expense, but not much in the way of results.

It looks as if congress has a big repair job on hand when it meets in January.

Your Chance To Own Your Own Farm

YOU remember the old joke about telling a young fellow how to become a farm owner: "Get a job as a hired man; work hard; save your money—and marry the owner's daughter."

Another way to get a farm is to be born as the son of a farm owner. If you're the only child, that's still better. Then it won't be necessary for you to pay off the other heirs.

These jokes light up a serious question: How much chance does a smart, hard-working, poor young fellow have to acquire his own farm?

Prof. John T. Timmons, of Iowa State College, reports an investigation made by the corn belt experiment stations and covered in Research Bulletin 361, "Farm Ownership in the Midwest."

Of all the owners in this corn belt survey, two out of five said they had bought farms from relatives or had had help of various kinds in becoming owners.

Is there danger that farming is becoming a closed business? Are we getting to a time when only the son of a land-owner will have much chance to become a land-owner himself?

If so, what is the remedy? More help for poor boys who are worthy of ownership? Or a kind of long-term tenancy that furnishes some of the satisfactions of ownership and doesn't require as much capital?

Federal Old Age Pensions For Farmers

WHEN congress gets back to work, it will have to decide whether farm operators are to be allowed to get federal old age pensions. Other self-employed people are included in Social Security in a bill which has passed the house but not the senate.

Albert S. Goss, master of the National Grange, made this comment at the National Grange convention:

"As long as farmers help pay the bill and as long as workers who can receive the benefits of Social Security in other occupations avoid working on farms, farmers are suffering an increasing disadvantage from our present Social Security system."

Big And Small Farmers

Big Fellow Needs Less From Farm Programs, But Gets More

WHAT kind of farmer do the farm programs help the most? That's something to figure out.

There are big differences among farmers, so far as production and income are concerned. Below is a table which shows the way farm income was divided in 1946:

Net cash income—	U. S. Pct.
$ 200 to $ 499	22.0
500 to 1,249	30.4
1,250 to 2,999	27.4
3,000 and up	20.2

These figures were worked out by Dr. Walter Wilcox, of Wisconsin University, on the basis of census and BAE computations.

Income in the corn belt and in Iowa ran a good deal higher than this, of course. But even Iowa, in 1946, probably didn't have much more than 40 per cent in the top group.

One of the questions to be asked about any farm program is: "What will it do for the folks with net incomes between $500 and $3,000?"

That's where the bulk of the farm people live. Nationally, 58.8 per cent are in this group. In the north, 57.3 per cent belong here. In the south, 60.3 per cent are in this class.

For some of the folks under $500, the most that can be done is to help them to town jobs. Some can be shifted to bigger farms. The farmers in the upper group are usually smart enough and well enough fixed to survive.

BUT the middle group needs farm programs. How will they be helped by the programs being considered?

D. Gale Johnson, of the University of Chicago, figures that in Iowa a 10 per cent increase in market price, as a result of farm program subsidies, would give the top farmers a boost of around $900 apiece in income. The middle group would get around $150 each.

Another way of figuring it is to note that 56,000 farmers in the top group would get a total net subsidy of 33.5 million dollars, while 136,000 farmers with gross incomes under $8,000 (in 1944 dollars) would get a total net subsidy of 24 million dollars.

By helping the price per bushel, a farm program inevitably boosts the income of the farmer who raises the most bushels.

WOULD it be possible, instead, to subsidize, not price per bushel, but income per farm? And to give at least as much help to the middle group as to the top group?

That's something most farm planners haven't thought much about. Maybe we should start. After all, a satisfactory income for the average farm is what we're all after. That's more important than a bonus for the bigger producers.

They Husked Corn Out Of The Shock

DID you ever husk corn out of the shock? Not many western corn belt folks have. Yet it was common practice back in Pennsylvania and Ohio until the mechanical picker came in.

M. C. Gilpin, managing editor of the Pennsylvania Farmer, writes us:

"Husking from standing stalks, as you folks did it in Iowa, was never practiced to any great extent in this state. The usual method here was to cut the corn by hand and shock it first, then later freeze your fingers husking it out a shock at a time, throwing it in piles, and hauling it in by team."

That's a lot of work. What a change it was when those farmers quit husking out of the shock and started using mechanical pickers! Today, Gilpin says, Pennsylvania—like most other corn states—harvests two-thirds or more of its corn by the picker.

Of course, just when we think husking corn is getting too easy, along come corn borers and a high wind. A man who picks up loose corn, and stops and starts the picker hundreds of times in the tangled stalks, may think, "Grandpa had it easier." He didn't tho.

School Lunch Not Charged To Farmers

FROM now on, federal aid on school lunches doesn't come out of agricultural appropriations. Congress now admits, in the way the appropriation is made, that school lunches benefit the whole nation—not just farmers.

Wallaces' Farmer and Iowa Homestead congratulates the American Farm Bureau Federation in pushing thru this change. Like the Bureau, this paper has urged for years that school lunches shouldn't be charged up to agriculture. Neither should food stamps, when we get them back again.

Corn Acres For You?

HOW many acres will be in your corn allotment for 1950?

Figuring this out is one of the jobs of your county PMA committee. State and county corn acreage allotments will be made by national and state offices. But the county committee must decide just how the regulations fit each farm.

From November 28 to December 2, farmers will meet in each township to elect men to serve on township committees in 1950. These township elections will also select the men who pick the county PMA committee.

See that men are elected to township and county committees who have good judgment and good temper. They will need lots of both to handle allotments, corn loans and corn storage.

Your county PMA committee will announce the date of your township meeting. Watch for it.

Every farm operator—whether tenant or owner—has a right to be on hand and to vote. Use that right.

Because the present farm law is full of faults and contradictions, it will take extra effort by everybody concerned to make it work. If it does not work, your income will fall.

Going to the township PMA election is a farm job, like picking up corn or vaccinating hogs. Turn out!

Odds *and* Ends

ALTHO there was lots of corn to pick up, most farmers had good weather to do it in.

EVEN in a year without corn borers or wind, there's often a good deal of corn left in the field. Farmers with hogs and good fences salvage most of it.

UNITED States may need to stock-pile a billion dollars' worth of metals from abroad. Maybe we can trade lard, soybeans, dried milk and pork for some of this metal.

IOWA farm income was $1,426,928,000 for the first nine months of 1949—down 4.8 per cent under last year. National farm income was down 8.3 per cent.

TO BUILD up soil fertility, farmers may need to put 20 million acres of wheat, 10 million acres of corn and beans, five million acres of cotton into hay and pasture. That would mean lots more beef, dairy cattle and sheep.

FORWARD pricing for crops is provided under the new farm law. Before corn planting time next spring, the secretary of agriculture can announce what the corn loan rate will be the next fall.

IF YOU overcrowd your poultry house, the flock will die down to the right size after a while. But it's cheaper to put in the right number to start.

ONE pullet to every three or four square feet is about all the space will stand. This year, there's no room at all for old hens.

GUIDE prices at average of seven markets (Chicago, St. Louis, Sioux City, Kansas City, Omaha, South St. Paul and South St. Joseph) on barrows and gilts:

WEEK ending November 26, $15.05; all December, $14.75; week ending January 7, $15.

AVERAGE support prices for the month (all hogs, not just barrows and gilts) for the United States: November, $15; December, $14.20; January, $14.90.

THE army is cutting down on size to meet the new budget, but still talks about reviving the draft. With present high army pay, it seems likely that enough volunteers could be found if the army tried hard enough to get them.

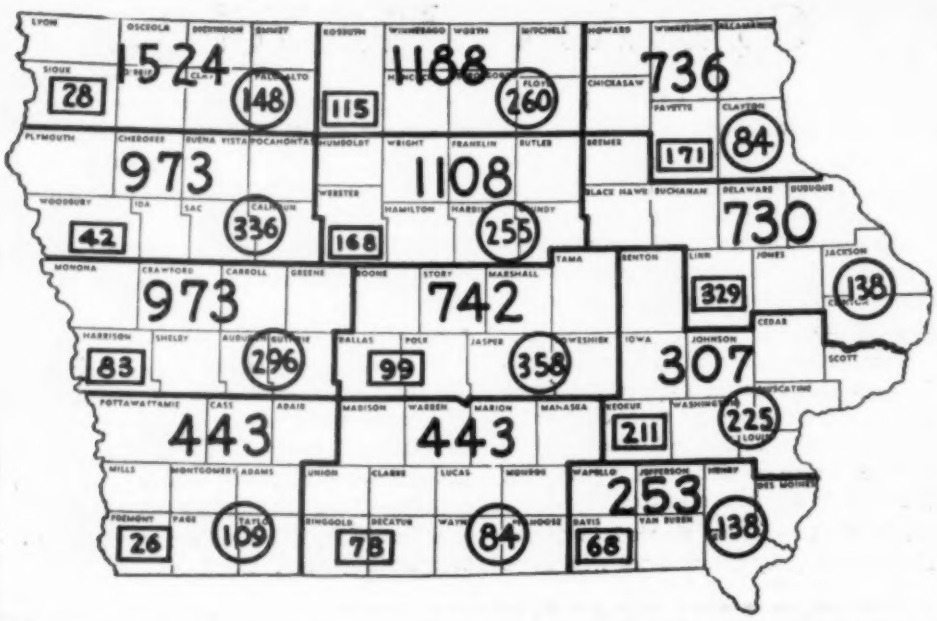
SOME county Farm Bureau meetings have come out for "production payments on perishable products." That is, on hogs, eggs and dairy products.

AMERICAN Farm Bureau Federation last year came out for Social Security for farm labor, but did not say whether or not to include farm operators The December convention may act on this point.

Song of the Lazy Farmer

THE moment I've been waiting for thruout the last few weeks or more is just a couple hours away, it's dinner on Thanksgiving Day. The kitchen's busy as a hive, the relatives will soon arrive. Mirandy's temperature is high, and no man's hungrier than I. Inside, the promise of a treat including turkey and mince-meat has permeated ev'ry room with a mouth-watering perfume. I couldn't stand it any more, so I'm out here beside the door where I'm free from that mad'ning smell, but sure to hear the dinner bell.

This year I'm testing out a scheme to make this day a grander dream; for weeks I've eaten like a bird, each meal's been light, and afterward I've hiked or worked enough to be sure that no fat piled up on me. Mirandy thinks that I've been ill, but in a little while she will be shouting that I ought to stop before vest buttons start to pop. I'm confident I'm lean enough to handle four men's share of stuff; I've also got the stove all hot, the way is cleared from plate to cot, and when the gorging feast is o'er I plan to sleep six hours or more.



This Map shows how corn borer infestation has spread and increased in Iowa during the past three years. Figures, from the official fall corn borer count, show the average number of borers per 100 plants for the counties in each district of the state. Figure in the rectangle is for 1947; figure for 1948 is circled; the big numbers are 1949.

Did Spraying Help?

Illinois Faces A Corn Borer Problem, Too

By WALLY INMAN

LAST spring, I talked with a number of farmers in Illinois and Indiana areas where the corn borer has been a problem for years.

I reported on these visits in Wallaces' Farmer and Iowa Homestead, May 7, 1949. Then, most of the farmers I talked with felt that chemical control of borers was the only workable answer to the problem.

Recently, I wrote these same farmers and asked how they felt about corn borer control now.

Here are some of their comments. Briefly, spraying still seems to be the answer, but we need to know more about it. In general, spraying wasn't a rip-roaring success in 1949.

Ervin A. Wahls, who had 370 acres of corn in Livingston county, Illinois, has this to say:

". . . Wind was not so severe here, but we had plenty of ears on the ground before the wind, on account of borers.

"We are gleaning some fields, and we pick up about five bushels per acre. There is a lot more on the ground in some of the other fields, and, of course, you don't get it all picked up.

"Two-thirds of our corn was sprayed, but it was too late. The borers had gone into the whorl, and I don't think the spraying did much good."

Wahls adds that corn around his area is yielding from 10 to 25 bushels less than a year ago.

W. E. Coolidge, Livingston county farm advisor, says he thinks corn borer damage ran from 20 to 30 per cent in his county.

He says this about poor spraying results: "When spraying was done, it was not done early enough, and they did not use enough material nor enough water. . . . We still believe that early planting under proper conditions would be practical.

"I think the main problem will be clean plowing and earlier spraying, using more material and water, and possibly spraying more than once."

If you read the story last May, you'll remember that John G. Harms, Woodford county, Illinois, wasn't too sold on spraying for corn borers.

He reports good results in his neighborhood, however. Harms says: "Altho we didn't use chemical treatment, I have learned from other corn growers that it gave very good results, provided it was applied right.

"The corn borers did the most damage this year that I know of. In my opinion, good soil practice is the first weapon for the borers."

Farther north, at Princeton, in Bureau county, Irvin H. Phillips says we might as well get prepared to live with the corn borer. He adds:

"We sprayed all our corn with a ground sprayer on the tractor, and we are sure we got good results. We were a little late getting the spray on, as was most everyone else.

"A lot of borers that had hatched were in the whorl, so we placed one jet above each row, and put on more material with higher pressure.

"We also sprayed for neighbors, and where we sprayed part of a field, the sprayed corn was lots better than the unsprayed.

"I don't mean to say we got all of the borers. But we got enough that you could easily see the difference, and it paid a big dividend."

You could go on and on, but the reports run about the same. And they would run about like the reports from Iowa farmers, except that more people in Illinois did try control with DDT.

Everyone seems to think excellent control is possible once we learn exactly when to spray, and how to spray.

In all these letters, the men mentioned clean plowing and good tillage practices. But, as they pointed out to me last spring, planting date, clean plowing, and so on, aren't enough.

They have been trying those things for years. They help a lot. But the borer gets worse every time the weather gives him a break.

Don't the reports of these Illinois farmers have a familiar ring? Here in Iowa, we hear the same story: "I didn't get the corn sprayed in time."

Maybe 35 inches extended height was too tall. Or maybe we need to use more than one application, so that we can hit the entire hatch.

It's important to remember that the damage this fall traces right back to failure to control the first brood. Or your neighbors fail to control them.

Borers of the first brood not only are responsible for many of the weakened, rotten stalks; they sapped your yields more than you think.

True, the second brood did cause a lot of dropped ears when the borers went into the shank. And they sapped a lot of nutrition from the ears, too.

But it seems to me these two points are important:

If we had done a good job killing first-brood borers—and it is possible—we would have had the battle over half won. Fewer moths would have been around to lay eggs for the second brood.

Secondly, all of us have to do a good job. Suppose you kill off your first-brood borers, and your neighbor does nothing. You probably will suffer just as much from second-brood borers as he does—whether you like it or not.

Farther east, where farmers have lived with the borer longer, there is less tolerance for the man who fails to use control measures. Neighbors more or less police the slackers

Notice on the Iowa map how the corn borer population has built up in the good corn growing areas. The heavily infested area is a high-producing area. That area had weather favorable to the borer this summer.

In contrast, weather in the central Iowa drouth area was not favorable for a big boost in the borer population this year.

Every farmer can do something to reduce the number of corn borers before egg-laying time comes next spring. Clean plowing before May 15 is probably the best bet. But you have to plow clean.

"If you leave a few stalks on top, you may as well not plow," says Dr. H. M. Harris, state entomologist.

He adds that, even with clean plowing, mid-season planting dates, and the most resistant hybrid varieties, chemical control will have to become a normal part of corn growing in Iowa.

A Night At County Meeting

ONCE a year in every Iowa county, Farm Bureau members gather for their county meeting. They sit down to a good meal, talk about roads, crops and schools, visit with friends, and then get down to business.

Pictures here show part of what went on when the Mahaska county Farm Bureau met in the basement of the First Christian Church, in Oskaloosa. A lot of work went into that meeting.

The ladies of the church served some three hundred meals. County officers John Gray, Walter Colville, Max Brownelier and Homer Nicholson, Fieldman Ken Snyder and many others helped organize the meeting. President Howard Hill of the Iowa Farm Bureau made the address. But it was attendance by individual Mahaska county members and their interest that gave real meaning to this meeting.

Farmers in Iowa and other states are learning that by working together they can find the answers to many of their problems. They can help themselves in a way they could not do as individuals.

Someone had to prepare 300 dinners for the Mahaska county Farm Bureau meeting. Shown working on the salad are Mrs. Howard Whitlatch, Mrs. K. DerPloeg, Mrs. Fred Sparks and Mrs. Earl Witt. Other women fixed meat, potatoes, rolls and dessert.

After Dinner was over, Mahaska county farmers James Hasselman and Rommel Augustine lean back in their chairs to discuss local school laws and fishing up in Minnesota. Having a quiet little talk of their own are Mrs. Hasselman and Mrs. Augustine.

Feature of evening program at Mahaska county meeting was the address by Iowa Farm Bureau President Howard Hill.

This Is A. E. Augustine, speaking against a resolution under consideration.

Counting ballots in election of next year's Mahaska county officers were these members of the tellers' committee: Frank Hoover, T. Carl Shultz and Hugh Steddom.

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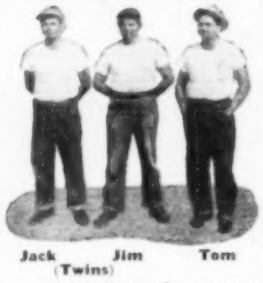
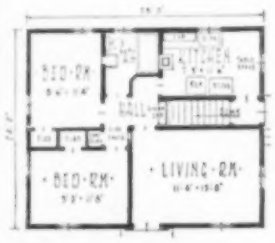


Jack Jim Tom (Twins)



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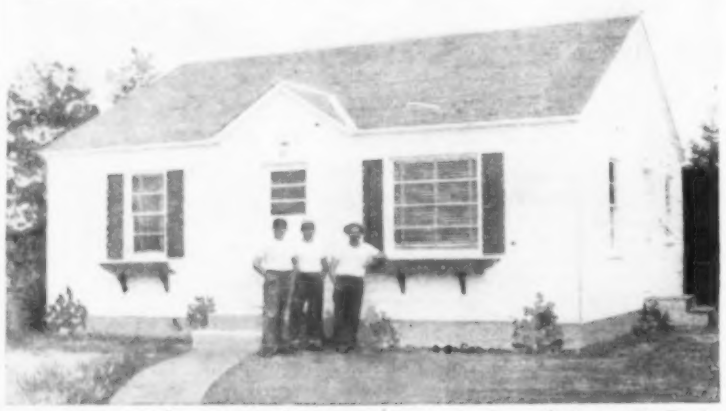

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Workday Pointers

MULCH on the strawberry patch is to protect the plants from alternate freezing and thawing. Apply the mulch after the ground is frozen.

▲ ▲ ▲

SOAK THE GROUND around the evergreens before winter sets in for good. There is some evaporation from evergreen leaves even in cold weather.

▲ ▲ ▲

PUMP CYLINDERS should be leathered and put in good shape before winter weather comes. Pulling a pump is a bad job in zero temperatures.

▲ ▲ ▲

SHORT STRAW makes the best bedding for any kind of livestock. Chaffy material can't be kicked around so easily, and it absorbs moisture more rapidly.

▲ ▲ ▲

DAIRY COWS and heifers should have their hoofs trimmed before frozen ground has a chance to break them too short. Lame cows don't fill the milk cans.

▲ ▲ ▲

SNOW FENCE can save a lot of shoveling of snow around the house and feed-yards. Spot the fence to protect the places where drifting has occurred in other years.

▲ ▲ ▲

THE SPRING MARKET usually is best for plain grades of cattle. On feed in January and to market in April has been a good schedule for common or plain cattle in many years.

▲ ▲ ▲

BROOD SOWS can do the best job of cleaning up the corn fields. But they should have something along with the corn. Bran, alfalfa meal, ground oats and protein feed should be fed at least once a day.

▲ ▲ ▲

FEEDER LAMBS often make slow gains or die from the effects of worms, says Dr. N. D. Levine, animal parasite specialist at the University of Illinois. He recommends phenothiazine as a remedy. Get the dosage from your veterinarian or mix phenothiazine with salt, one part to ten, and keep the mixture in a covered self-feeder.

IF YOUR LAND will grow alfalfa, you may want to substitute alfalfa for clover next spring. The alfalfa seed crop was much better than the clover seed crop, and alfalfa will be more plentiful than clover.

▲ ▲ ▲

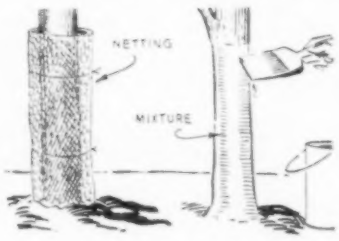
IF HOGS GET NO SALT at all, they will make slow gains. If salt is fed just when you happen to think they need it, the hogs may overeat on salt. Best method is to keep salt before the hogs at all times.

▲ ▲ ▲

FATTENING CATTLE will make slow gains if forced to clean up the last ear of the down corn. To keep up fast gains, never let the cattle get off full-feed. Begin giving them a feed at night as soon as the corn gets scarce in the field.

▲ ▲ ▲

YOUNG TREES should be protected from rabbits now. You can wrap screen wire or fine wire netting loosely around the trees,



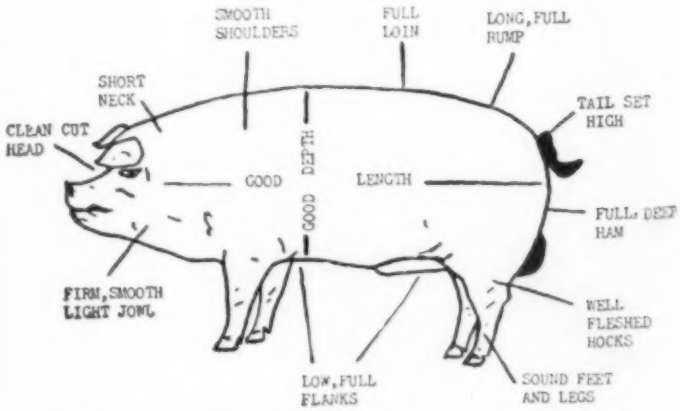
keeping it tight against the ground to protect from mice, too. Or you can apply a repellent with a paint brush. Foresters recommend a mixture consisting of one pound of powdered rosin and one pint of ethyl alcohol.

▲ ▲ ▲

HOLES IN THE WALLS may cause a draft in hog and poultry houses. But heat loss is greatest thru the roof because heat naturally goes up. Hole-plugging should begin on the sides, but insulation should begin at the top.

▲ ▲ ▲

AN ACCOUNT BOOK for 1950 will help you keep track of your business and make things easier at income tax time. Send 50 cents to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, for a combination account book and income tax information.



POINTS TO CONSIDER in the selection of a boar are shown here. General type should be considered also. You don't want a short, chuffy boar. Nor do you want a boar that is rangy and shallow-bodied. The "intermediate" type is recommended as being best for both producer and processor. The illustration is from the Stockmen's Letter, published by Morrell & Company.

Standard Oil man Charles I. Salmon, who works for us at our Whiting, Indiana, refinery, gets his first look at Kevin C. Salmon. Mr. Salmon's company hospital and surgical operation insurance helped pay the bills. Our employees—and their families—are protected by one of the broadest employee benefit programs in any industry.

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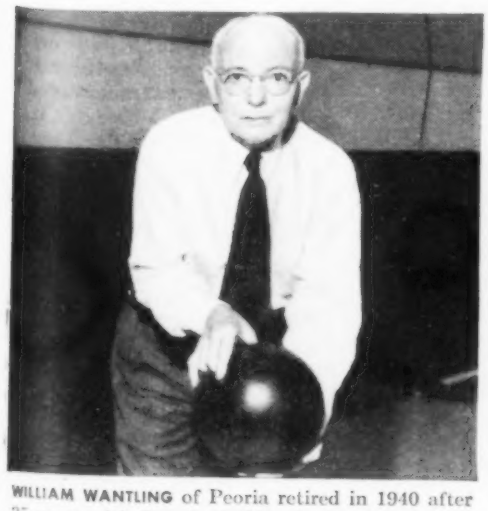
One of the things that make Standard Oil a good place to work is the employee benefit program of this company and its subsidiary companies.

This program includes group hospital and surgical operation insurance, sickness and disability benefits, group life insurance, and vacations. Our employee retirement plan sends monthly checks to retired Standard Oilers.

Every part of this benefit program adds to employee security. So does the fact that every member of the Standard Oil team has behind him an average investment of $26,700 in tools and equipment—tools which helped him average more than $4,400 in wages and benefits last year.

Most of this equipment was provided by the investment of our 97,000 stockholders. Some of it was provided for by borrowing. Each year we plow back, in new tools and equipment, some of our profits—the money left over after all operating costs are paid. Of Standard Oil's 1948 profits, 29% went to our 97,000 owners; 71% was spent for new tools and equipment.

STANDARD OIL COMPANY (INDIANA)



WILLIAM WANTLING of Peoria retired in 1940 after 35 years with Standard. Now he has lots of time for recreation. For the rest of his life he will receive monthly checks under our employee retirement plan, started in 1903.

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STANDARD EMPLOYEES are actually many times safer on the job than away from it, according to nation-wide statistical studies of accidents. Our accident prevention program helps make Standard a good place to work.

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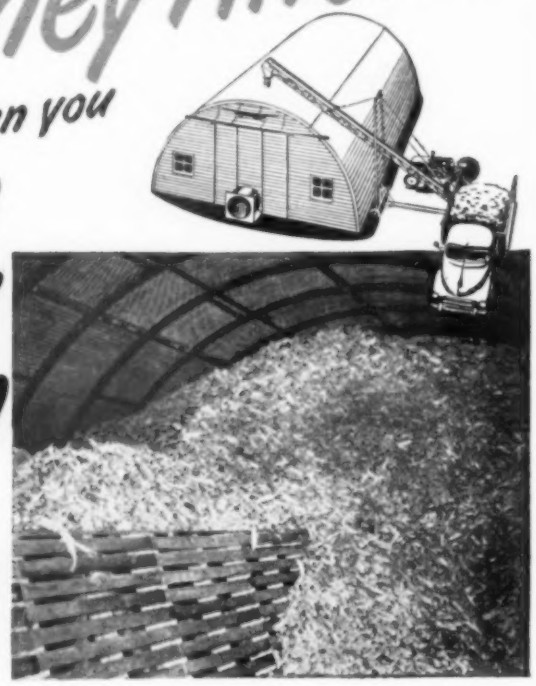

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If You want litters like this next spring, there are a number of things you can do that will help. Right now, many brood sows and gilts are getting a lot of exercise gleaning corn fields. That's good, of course. But don't let them get too fat on corn. That's bad.

Good Care Means Better Pigs

Extra Attention Given Brood Sows Now Will Pay Dividends At Farrowing Time

PROPER feeding and care of brood sows this winter means a lot if you want large, vigorous litters next spring. In some tests, sows that had adequate feed have weaned three more pigs per litter than litter-mates that were cared for haphazardly.

If you want those extra three pigs per litter — your margin of profit perhaps — what can you do now?

Lots of sows and gilts are being used to glean corn fields. They get plenty of exercise. But they may also be getting too much corn and not enough protein supplements, minerals and vitamins in their ration.

You don't want them too fat now. You want them in good condition, so you can keep them growing and gaining all winter. But, if you start with them fat, you are likely to run into trouble by farrowing time.

In any event, see that your brood sows and gilts get a balance of animal and vegetable protein, minerals, alfalfa meal and salt, besides the corn they pick up for you.

Better let the corn rot in the field than to overdo your breeding herd.

If your sows aren't bred yet, you may want to "flush" them just before breeding time. You can feed a rich, high-protein ration just before and during the breeding season.

Lots of farmers don't bother to do this. But the ones who have tried it usually seem to think results are worth while.

The same can be said of those who have tried hand breeding. Farmers who keep boars penned up, turn sows in to them, and mark each sow, like that system. They can look in their book three months, three weeks and three days from now and tell just which sow should farrow next.

Other men turn boars out with the gilts, and have about as good results. But pen breeding does have advantages. It prevents over-exertion of the boar in some cases. It allows you to have an accurate record of breeding dates. Often, it will get more sows bred in a shorter period of time. It may avoid injury to a boar. Some men say you get more pigs per litter.

Alfalfa meal is a valuable part of the ration from now on. Pastures don't amount to much. And alfalfa meal, in addition to the valuable bulk it has, is high in proteins and vitamins.

You can use up to one-third alfalfa meal in the brood sow ration with good results. But that does not mean you should leave out all other vegetable and animal proteins.

Many tests show the value of feeding a complete, well-balanced ration to brood sows. You get more pigs. You get better pigs. They grow faster because they have more of their mothers' milk to drink.

Flu can knock the socks off a herd of sows—especially just at breeding time. Leave them out in the field all winter if you want to. But see that they have enough room, a dry bed, and no drafts in their house.

Exercise them. Put their feed a long way from their house or shed. Or make them get their corn in the fields.

As long as it is a nice day, they will go out for a walk and a nubbin of corn in zero weather. That's good for them if they also get plenty of fresh water, vitamins, alfalfa hay or meal, and mixed proteins in their ration.

Actually, older sows don't need as much protein supplement as gilts. Yet sows keep growing until they are about three years old. So don't make your fall gilts and sows draw completely on their own bodies for the minerals and proteins which their babies will need.

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You'll find Ford even finer for '50 . . . full of luxury-car quality. Yes, Ford's the only low-priced car with such features as the new, quiet 100 h.p. V-8 engine . . . silent, sound-conditioned ride . . . "Fashion Car" styling—more beautiful than ever . . . and extra hip, shoulder and head room—more passenger room than any other low-priced car.

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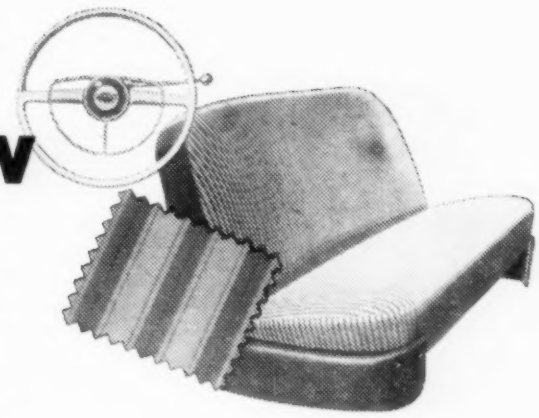

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Tough, sturdy Phillips *66* Premium Motor Oil provides *two* engine-saving services . . . dependable lubricating action *plus* the protection of chemical additives that help guard against sludge and varnish. This double protection is called "*Lubri-tection*" . . . and it helps keep repair bills down. Protect your equipment investment with "Lubri-tection"! Ask your Phillips *66* Dealer or Tank Truck Salesman for Phillips *66* Premium Motor Oil!

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Sat. night, on your ABC Station. See your newspaper for time.

Washington Wire

"Dairymen Can Get More Cash"

Brannan Says That Consumers Need More Milk, And Producers Should Get More Pay

WASHINGTON, D. C. — If you are milking cows, Secretary Brannan was talking to you in his New York speech last week. He says the price support program in the present farm law won't do the job for you. He wants something better.

What does Brannan suggest? He says the government should let the price of milk, butter, etc., fall to what the market will pay. Then make up the difference to the producer by a government check.

How would that work? Now the government supports the price of butter by buying and storing it. That costs money. It also keeps butter prices high to consumers.

Suppose that present supplies of butter would be cleaned up by consumers if the price were around 50 cents per pound of butterfat. Brannan's idea is to let the price drop that far, and then make up the difference between 50 cents and 63 cents (90 per cent of parity).

Would this cost more than present methods of support? That depends on the level at which supports are fixed. Under either method, it would, of course, cost more to fix supports at 90 per cent of parity than at 75 per cent.

Secretary Brannan told the National Cooperative Milk Producers Federation that their industry could lead agriculture into an era of abundance by trying out a system "which will bring about more abundant dairy consumption."

He said farmers should be producing, and the American people consuming, 150 billion pounds of milk a year instead of the present 118 billion.

Criticizing the present method of buying and storing dairy products to keep prices up, Brannan asked:

"How long will the American people submit to the accumulation of butter and cheese while supporting dairy products at 90 per cent—or even 75 per cent—of parity?"

A new kind of hog cholera virus may have caused swine losses that have puzzled farmers and veterinarians lately.

Veterinarians of the U. S. Department of Agriculture have been conducting field studies in parts of Iowa, Nebraska and Minnesota, where losses occurred during the past summer following the usual vaccination. Laboratory tests have also been made.

All these investigations show that there is a new virus showing up which is not matched by the usual hog cholera serum. The latter serum controlled the standard virus, but not this new kind.

Work continues in this field, and the research men are hopeful they'll have everything under control before another season starts.

Department officials say it is a toss-up as to whether the government will propose marketing quotas on the 1950 corn crop. But observers—trained to keep an eye on political as well as economic factors—are wagering that there will be no quotas.

They base their views on the belief that quotas would be unpopular with corn farmers, at least as long as prices are at or near current levels. So, it would not be good politics to propose quotas for an important election year.

Furthermore, there is the danger that quotas would be voted down. In that event, price support for corn would drop to 50 per cent of parity, or to perhaps 65 cents a bushel, as compared with $1.40 this year. Such a drop would have a serious effect on incomes of corn belt farmers—a development that many would blame on the administration.

But it is certain that there will be acreage allotments on corn grown in the commercial corn area. Officials have indicated that the allotment for 1950 will be about 10 million acres less than the 86 million planted for this year's crop.

Inasmuch as acreage allotments will be limited to the commercial corn area — which includes all counties with certain levels of production—efforts to get the 10-million-acre reduction will be confined to that area.

In other words, an area which this year grew about 45 million acres may be asked to take the 10-million-acre cut.

Of course, there will be nothing to force farmers to cut individual corn acreages, unless marketing quotas are put into effect. Under the allotment program, farmers are free to abide by or ignore allotments, but only those who comply will be eligible for corn price support loans.

Officials concede that without quotas there will be little incentive for the farmer who grows corn for his own livestock to comply with acreage allotments. Not many of these farmers ever put corn under loan.

Charles Burmeister, veteran agriculture department livestock authority, told the recent farm outlook conference he believed the future is brighter for an expanded cattle industry than a hog industry. Consumer eating habits, he said, make beef a better future bet than pork.

He said the shorter work week is resulting in a body demand for less fats. As a consequence, this gives beef an advantage over pork. Also contributing to a higher demand for beef over pork, he said, is the high level of consumer buying power.

New Lederle Wonder-Drug for Mastitis

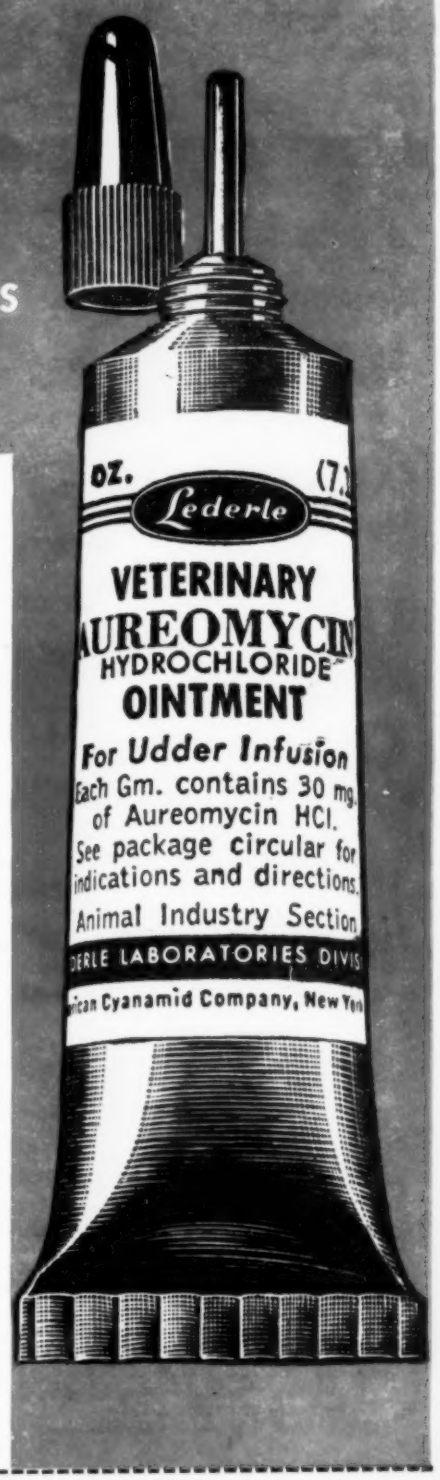
Effective Against All Organisms Acted on by Penicillin
Plus Many Other Groups...The Antibiotic With the Broadest Effectiveness Known...

AUREOMYCIN OINTMENT

Lederle

For Udder Infusion

A SINGLE INFUSION CLEARS STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS IN A HIGH PERCENTAGE OF CASES



The new antibiotic—aureomycin—has swept the country in the field of human medicine. Articles on it have appeared in most of the technical and news publications throughout the country.

This tube of AUREOMYCIN OINTMENT has the following advantages:

- BETTER THAN PENICILLIN
- FREE-FLOWING OINTMENT
- SPREADS TO ALL PARTS OF UDDER
- ACTIVE FOR 48 HOURS THOUGH UDDER MAY BE MILKED REGULARLY
- SAFE... NONTOXIC... NONIRRITATING
- READY-TO-USE TUBE
- SMALL, ROLLED-IN TIP INFUSION END
- NO SYRINGE OR MILK TUBES
- USUALLY ONLY ONE TREATMENT NEEDED (If necessary, repeat treatments at 48-hour intervals)

In extensive tests, under actual field conditions, a single infusion cleared most streptococcic and staphylococcic infections. Cases that persisted after a single infusion of AUREOMYCIN were cleared up promptly when again treated 48 hours later.

Prompt treatment of mastitis with AUREOMYCIN OINTMENT will bring you quick results in full production of salable milk.

This product should be used in accordance with instructions in the package literature.

A booklet on AUREOMYCIN OINTMENT will be gladly sent on request.

ANIMAL INDUSTRY SECTION

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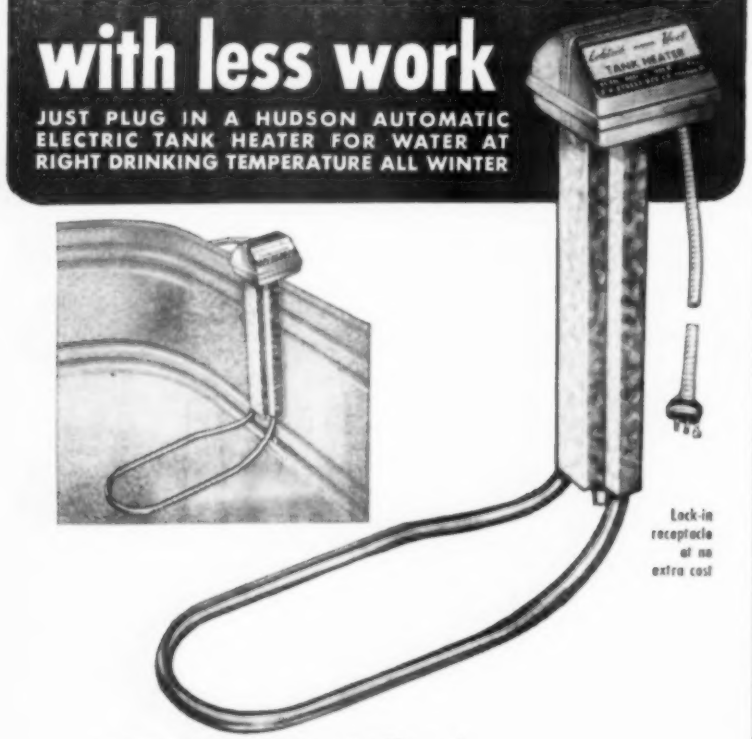
JUST PLUG IN A HUDSON AUTOMATIC ELECTRIC TANK HEATER FOR WATER AT RIGHT DRINKING TEMPERATURE ALL WINTER



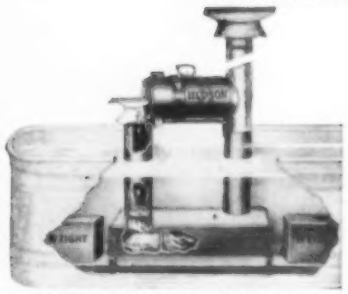
HUDSON *Lektrik-Heet** AUTOMATIC ELECTRIC STOCK TANK HEATER

A dairy cow needs 18 gallons of water daily. Cows won't drink nearly this amount of water if it is too cold. If provided, they will use less feed yet actually show big increase in milk production. In addition, hogs, beef cattle, and sheep also need water at right temperatures for fastest gains. Thermostat automatically keeps water at desired temperature. No refueling—just plug in. Uses electricity only as needed.

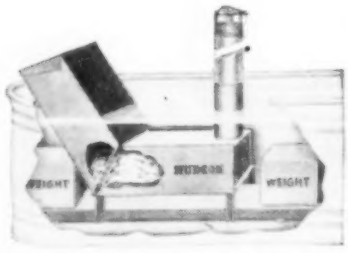
AUTOMATIC ELECTRIC FLOATING HEATER

The most practical floating heater ever designed. Ideal for stock tanks, hog waterers, milk house tanks. Because of its low center of gravity, unit will always right itself. Heating element always under water at least 3 to 4 inches. No electricity wasted in heating air.

Other Hudson Tank Heaters



HUDSON ALASKAN* TANK HEATER
Money saving Oil Miser Burner. Baffle chest forces heat through a long passage where it is thoroughly consumed before smoke goes out chimney. Eliminates heat loss—reduces fuel.



HUDSON KLONDIKE* TANK HEATER
Burns anything from corn cobs to coal. Constructed entirely of boiler steel. For coal, use of basket grate is recommended to insure longer fire, less fuel. Channel steel legs for easy submerging.

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SERVICE BUREAU

The Sign of Protection

What Is The Average Corn Loss?

To the Editor: How much corn on the average is left in the field by mechanical pickers in an average year?—N. S., Woodbury County, Iowa.

It is estimated that, on the average, from three to five bushels per acre are left in the field by a mechanical picker. But this average doesn't mean too much when applied to the individual field. Condition of the corn, skill of the operator, speed of the tractor, and adjustment of the picker make a great difference.

The average "natural" ear-drop in the state corn yield test plots from 1939 to 1947 was 1.1 per cent of the total yield, according to Iowa State College agronomists.

Can Divide Cost Of Graveling Road

To the Editor: I have heard that there is a law that says county roads can be improved partly at the expense of nearby property owners and partly at the expense of the county. What is the law on this?—N. W., Winnebago County, Iowa.

The last Iowa legislature passed a secondary road assessment district law. You can see a copy of this law, Chapter 129 of the Laws of the 53d General Assembly, at the office of your county attorney.

Section 9 of this law provides that the owners of not less than 75 per cent of the land adjacent to or abutting on any secondary road may petition the board of supervisors for improvement of the road by graveling or other surfacing. Under this section, not less than 50 per cent of the cost is assessed against the land adjacent to or abutting on the road.

Petitions should be filed on or before December 1 of any year. Then, the next year, the supervisors are required to give preference to the projects in the order in which petitions were filed.

Age Is No Bar To Jury Duty

To the Editor: I received a notice that I was to serve as a petit juror. I am 72 years old. Does a person have to serve on a jury when he is that old?—L. D., Osceola County, Iowa.

Your age would not excuse you from serving on a jury. But if you are not in good enough health to stand the service, you could report to the judge and ask him to excuse you.

Received Punchboard In The Mail

To the Editor: I have just received a punchboard thru the mail from a veterans' organization. Isn't this a violation of the law?—Mrs. C. E., Woodbury County, Iowa.

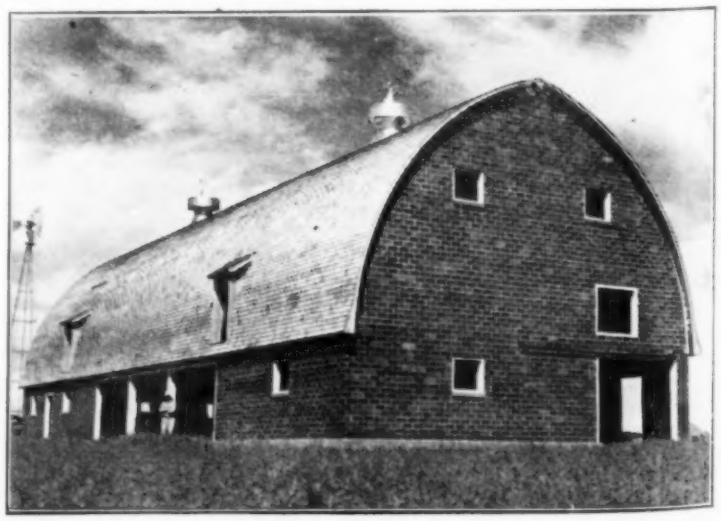
It is not a violation of Iowa law to send a punchboard thru the mail. But you would violate the law if you sold chances on this punchboard. If you saw fit to pay for the punchboard, you would not break the Iowa law. But operation of the board would be illegal.

Landlord Has Right To Corn Stalks

To the Editor: I rent out my crop ground on the 50-50 crop-share basis. When the crops are harvested, the renter turns his cattle into the field. Does he have this right, or do the stalks belong to me?—L. M., Jones County, Iowa.

First, this question may be determined by the terms of your lease. Consult your lease agreement on this matter. If there was no provision to the contrary, the landlord would be entitled to the rough feed after harvest.

The lease of a mere cropper not occupying the premises ends with the harvest of the crop, and, in the case of corn, not later than December 1, unless otherwise agreed upon.



Grandpa's eyes would have popped at this modern glazed tile barn built by N. A. Tolstrup, Hamilton county, Iowa. It's one step in complete rebuilding project on 160-acre farm to be tenanted by Arling Peterson. Tolstrup also has built tile machine shed, and will add tile hen house, crib, garage next year, and a brick house in 1951. The 36x100-foot barn, 31 feet high, is designed for the feeding of cattle.

Photographic Pose suggested by "The Angelus," painted in 1859 by Jean Francois Millet

". . . . a Fervent Prayer at Eventide"

Let us stand thankful in a moment of quiet meditation. (*Remember —there is little to be thankful for in some parts of the world.*)

Let us thank God for a concept of freedom that permits even the lowliest soul to rise in glory with a prayer of joyous jubilance. (*—in some countries governmental experiments are turning to ashes, resulting in confusion and fear.*)

Let us thank God for our American freedom of thought and choice and will—and give us strength to cradle it and guard it and protect it tenderly. (*—for there are those amongst us who would tear it asunder.*)

Let us thank God we have not yet fallen into the dangerous ways of half-truths and tempting short-cuts to Utopia. (*But it's later than we think. Certain forms of Socialism and other "isms" stalk in our midst, masked under innocent-sounding names.*)

Let us thank God we have vision enough to strengthen and fortify our American way of life so we may continue to glean the resultant blessings. (*If we give up our freedom we give up our America. We give up everything.*)

Let us thank God we can still till our soil and gather our harvests according to our own designs, free from meddling, muddling man-made "plans." (*If we think clearly—if we fight, we can preserve our hard-won freedom.*)

• • •

We at Cargill are deeply thankful for the American enterprise system. It gives us the freedom, the *incentive*, to do a better job for you—to devise new and more economical methods of handling your grains—to produce better seeds for you to grow—to make better feeds for your livestock and poultry.

Let's all of us be thankful, yet vigilant. Let's all of us count our blessings, yet keep our eyes on the dark corners for the freedom-stealing signs of the "isms."

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BIG WIND PROVES MOEWS IMPROVED HYBRID 14 STAND—UP—ABILITY

MOEWS IMPROVED HYBRID 14 STANDS UP AND HOLDS EARS

This is what happened to ordinary hybrids.

MOEWS "MASTER-MATING"

Heavy winds that swept the Corn Belt on October 10, put entire corn crop to severe test and PROVED the superior stand-up-ability of MOEWS IMPROVED HYBRID 14. After the high winds, it was common to find "A-Maize-ing" MOEWS IMPROVED HYBRID 14 standing up with ears on stalks . . . when other corns planted alongside were blown or broken over and with ears on the ground.

MOEWS IMPROVED HYBRID 14 growers all over the Corn Belt are praising its performance. Here are typical reports:

IOWA

"MOEWS IMPROVED HYBRID 14 stood the wind and corn borers the best of any corn I saw."
"Will plant nothing else but MOEWS IMPROVED HYBRID 14 next year."
"MOEWS IMPROVED HYBRID 14 took the wind better than any other corn and held its ears better."

ILLINOIS

"My MOEWS IMPROVED HYBRID 14 with its heavy stalk and deep roots stood the winds to produce 95 to 100 bushels per acre. The stand-up-ability of my MOEWS IMPROVED HYBRID 14 corn crop has convinced my neighbors that it is superior. Moisture test in early October was 16%."

NEBRASKA

"Stalks of MOEWS IMPROVED HYBRID 14 were standing erect at husking time. Ears of competitive corn in same field were on ground and stalks were down."

As the result of the big windstorm, demand is increasing everywhere for MOEWS IMPROVED HYBRID 14 seed corn. Send a post card to the MOEWS SEED COMPANY and your local MOEWS dealer will give you the full story about this amazing "Convergent-Improved" hybrid.

SAY "MAIZE"

Dealerships are open in some localities. If you are interested in selling this line of amazing proved hybrids, write for details.

MOEWS Improved HYBRIDS

MOEWS SEED COMPANY, GRANVILLE, ILLINOIS

How Long Does It Take

To Do Chores With Your Hogs?

Measure The Hours You Put In Against Some Indiana Farmers In Chore Time In Hog Lot

HOW much time do you spend with your hogs? At farrowing time, at weaning time, during the summer?

Ever count up? Few farmers do. But J. W. Oberholtzer, of Purdue University, has been making some studies of the way some Indiana farmers operate. His figures will interest you.

In the August, 1949, Journal of Farm Economics, Orlin J. Scoville, of the Bureau of Agricultural Economics, reports on this and other attempts to measure how long it takes to do some farm jobs.

Look at the table below, and see how your chore schedule matches up. Note that the distance from farmstead to hog pasture is assumed to be 40 rods.

How much difference does it make when you have more or less than 20 sows? With only five sows, you put in a lot of time per sow. With 10 sows, the time per sow is cut down one-third. You can handle 20 sows with just about half the time per sow that you use up with a five-sow herd.

Some of these time records look pretty fast. Perhaps a farmer hustles a little more when somebody is holding a stop-watch on him.

Time Required For Hog Chores

Data derived from process charts in unpublished thesis by J. W. Oberholzer, and from other sources. "Time" column shows minutes required per 20 sows.

Job	Process	Time
SPRING FARROWING (21 DAYS)		
Move houses 40 rods to pasture. Clean and bed.	Move with tractor, two houses per trip. Spray interiors of houses. Haul straw from stack and bed houses.	1018
Move sows into houses.	Haul in low wagon, tractor drawn.	410
Care during farrowing.	Four daily trips to farrowing pen on foot.	736
Hauling feed.	One load (about 30 bu.) hauled per 10 sows during farrowing period.	71
Hauling water with 300-gal. tank wagon. (Assuming 3 gal. per sow, four trips will take care of 20 sows for entire period.)	Fill water wagon while doing other chores. Start tractor, drive 200 feet to wagon, hitch and drive 40 rods to field, open gate, drive thru and close. Drive 100 feet to farrowing quarters and insert hose. Fill fountain while watering at quarters, remove hose, return to well, unhitch and return to tractor.	60
Feeding and watering; twice daily.	Walk to farrowing quarters, feed and water sows (feed and water available at quarters), return from farrowing quarters.	534
SPRING SUCKLING (42 DAYS)		
Clean and bed houses.	Clean houses and haul straw as above.	740
Castrate.	Pen sows in farrowing pens and pigs in farrowing houses. Catch pigs, lay on wall of house and castrate. Put pigs in pens with sows.	225
Vaccinate.	Handle pigs in same manner as above.	225
Wean.	Build creep around self-feeder. (Three feeders for 20 sows.)	11
Feed and water.	Feed ear corn to sows twice daily; pigs fed in self-feeders in creep.	3515
SUMMER FEEDING (140 DAYS)		
Sort for market.	Set up pens; drive into pens.	636
Haul feed 40 rods and fill feeders.	One load corn (2000 lbs.) every other day for 120 pigs.	2590
Water.	Haul with tank wagon to 100-gallon fountain waterers in field. One trip every other day for 120 pigs.	2125

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New transmission eliminates double-clutching—enables driver to maintain speed and momentum on grades. On series 3800 and heavier duty models.

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Extra driving ease and convenience is yours with Chevrolet's new steering column gearshift. In all models with 3-speed transmission.

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Greater durability and efficiency is featured in Chevrolet's Thrift-Master and Load-Master Valve-in-Head truck engines, world famous for their economy.

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Greater strength and durability in heavy-duty models! This important new feature means a longer, more economical life for your heavy-duty truck.

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Brake linings on series 3000 models are bonded to the brake shoes by special "Perma-Bond" process developed by Chevrolet and General Motors Research Laboratory. Thoroughly tested and proved, these rivetless linings last up to twice as long!

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CHEVROLET MOTOR DIVISION, GENERAL MOTORS CORPORATION, DETROIT 2, MICHIGAN

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? That is a question it will pay you to ponder. When farmers all over America tell us that their Ford Tractors have increased farm income substantially . . . and reduced farm costs sharply . . . it's quite likely a Ford Tractor will do the same for you.

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Built right and priced reasonably, they add mighty big value to a mighty good tractor.

DEARBORN STANDARD MANURE & MATERIAL LOADER

6 cu. ft. capacity material bucket can be quickly converted into a manure fork by removing bucket's bottom plate. Raised and lowered hydraulically. Will raise a 750 pound load more than six feet! Has a welded chrome alloy tubular frame mounted on 4" channel iron sub frame.

Dearborn FARM EQUIPMENT

DEARBORN STANDARD WAGON

Many quality features prove this wagon is really built to take tractor service. Automotive-type steering. Adjustable tie rods for more accurate trailing. Rated load capacity of 5,000 pounds. Tires and box not supplied with wagon.

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FOR FORD TRACTOR AND DEARBORN FARM EQUIPMENT PARTS AND SERVICE

Ford Farming MEANS LESS WORK... MORE INCOME PER ACRE

Every fall, some farmers used to spend several days hauling dirt to fill holes in the feed-lots or around the gates. The job is easier now. Delbert Wiese, of Cedar county, Iowa, shows how to move a lot of dirt in a hurry, and how to do the job the easy way.

Farm and Feed-Lot

How To Estimate Down Corn

You can figure the amount of down corn in your fields with this method. It is suggested by E. S. Dyas, agronomist at Iowa State College.

If corn contains 20 per cent moisture, and is planted 3 feet, 4 inches both ways, the number of pounds of ear corn gathered from 53 hills will be the same as the number of bushels of down corn per acre. If corn contains 17 per cent moisture, pounds of corn from 56 hills will equal amount in bushels per acre.

To get a fair sample, Dyas says, pick a sample area from each different spot in your field.

What Price For Feeder Pigs?

To the Editor: What would be a fair price for feeder pigs? Should they be vaccinated?—F. P., Dodge County, Minnesota.

It is generally considered that a pig has 140 to 175 pounds of feed charged to him at the time he is born. That includes the sow's feed from breeding to farrowing. At present prices, that amount of feed might be worth about $4.

If you add 25 per cent for labor, risk, insurance, housing, etc., cost in the farrowing pen would be around $5. If pigs are vaccinated and castrated, there would likely be an additional charge of a dollar or more.

This gives you a general idea of the cost of bringing a feeder pig into the world. But no one raises pigs for cost. And the man who owns feeder pigs has the choice of selling them or feeding them to market weights.

It would be hard to say what a "fair" price would be. Price for feeder pigs is set in the market by supply and demand. You will have to pay the market price to get the pigs. But these figures may help you decide whether a quoted price is out of line or not.

Yes, you should see that the feeder pigs you buy are vaccinated.

When To Plow For Reseeding?

To the Editor: I seeded a field of brome and alfalfa last spring. The alfalfa has died out, and I want to seed alfalfa again. Should I plow the land this fall or next spring?—W. H., Wapello County, Iowa.

Whether you should plow the ground now or wait until next spring depends mostly on your erosion problem. If the field is rolling, it would probably be best to wait till spring to work the ground.

If erosion isn't a problem, fall plowing would be your best bet.

Store Weed Sprayers Carefully

Weed sprayers need special attention when you store them for the winter. Here are some tips from J. D. Furrer, weed specialist at the University of Nebraska:

Pipes, pumps and strainers should be completely drained. Any water left in the pump will freeze and damage metal casings. Sprayer hoses should be stored out of reach of mice. The chemical seems to attract rodents.

A gallon can filled with kerosene is a good place to store nozzles and strainers.

What Kind Of Tile Is Best?

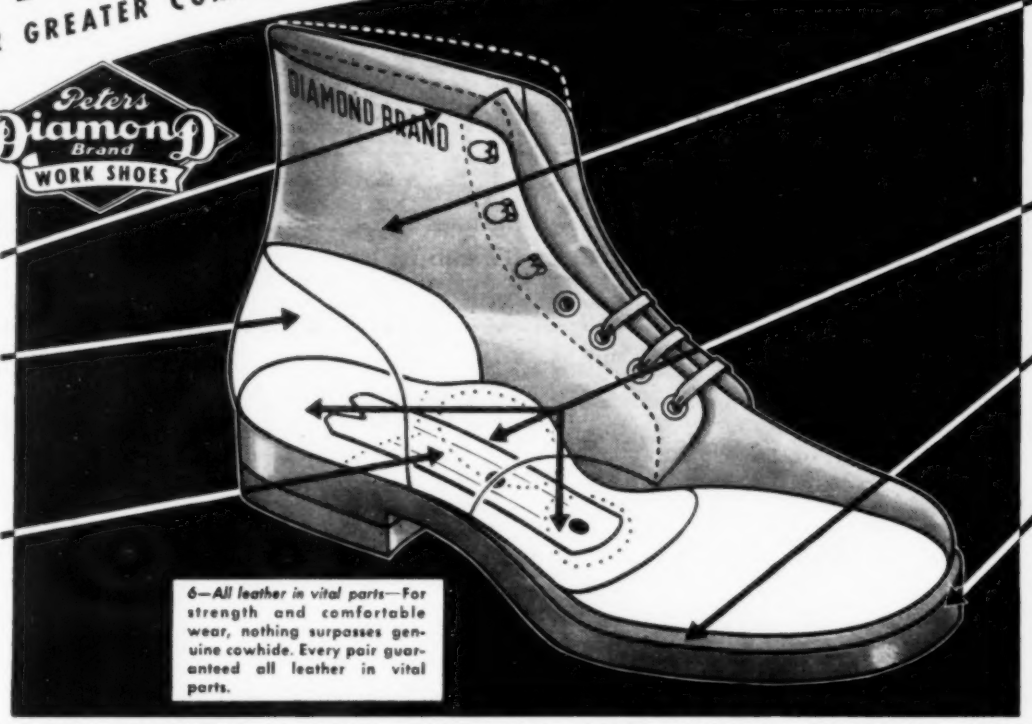
To the Editor: What kind of tile is best, clay or concrete?—A. J., Woodford County, Illinois.

Water enters tile at the unlike sides of the joints, as it would go thru a leak in a boat, not thru the walls of the tile. So porous tile are no better than non-porous tile.

Good drain tile should be round with clean ends. Then it can be laid to grade in a well-shaped ditch bottom. Well burned and properly made clay tile and well made and properly cured concrete tile are durable and equally satisfactory, say Iowa State College engineers.

X-RAY TEST REVEALS 9 PLUS FEATURES FOR GREATER COMFORT, LONGER WEAR

Peters Diamond Brand WORK SHOES



1—No-rip back—Pre-mold one piece quarter (without backstay) means greater flexibility and ankle comfort.

2—Stuffed uppers—Genuine cowhides specially treated, making them resistant to barnyard acids, mud and water.

3—Special 3-way arch cushion pad—Supports arch, absorbs shock; cushions each step; fights foot fatigue.

4—Genuine Goodyear welt or nailed construction—Sole and upper securely joined together to resist the roughest wear.

5—Outsoles and Insoles—Solid leather insoles. Outsoles of long-wearing oak bend leather or durable composition.

6—All leather in vital parts—For strength and comfortable wear, nothing surpasses genuine cowhide. Every pair guaranteed all leather in vital parts.

7—Steel shank—Strong reinforcement for the arch to give supporting comfort.

8—Heavy solid leather moulded counter—Shaped to comfortably support and protect the back part of your foot.

9—Slant top—Permits shoe to be laced to top without pinch around the ankle.

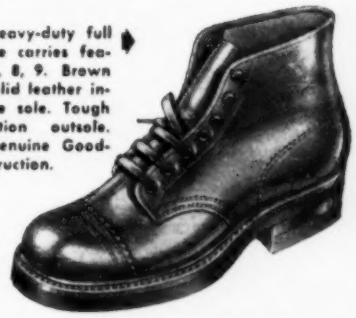
LOOK BOTH *INSIDE* AND OUTSIDE FOR YOUR WORK SHOE FACTS

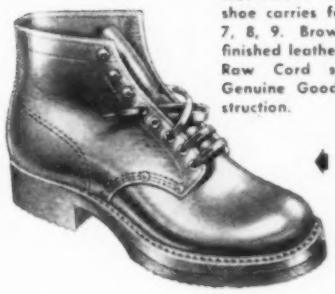
There's lots more to a pair of Peters Diamond Brand Work Shoes than meets the eye. This X-Ray view reveals those "hidden" features that make them fit so well, hold their shape so much better, last long beyond the life of ordinary work shoes.

Inside and out they're built to take the knocks and abuses of a hard day's work. It pays to insist on Diamond Brand Work Shoes every time — available at better stores in a range of sizes and widths.

Priced from $4.45 to $9.95

4211 — This heavy-duty full double toe shoe carries features 1, 2, 6, 7, 8, 9. Brown Retan upper. Solid leather insole and middle sole. Tough black composition outsole. Rubber heel. Genuine Goodyear welt construction.





No. 4231. This all purpose shoe carries features 1, 3, 6, 7, 8, 9. Brown, pliable, elk-finished leather upper. Brown Raw Cord sole and heel. Genuine Goodyear welt construction.

No. 4355-1. This rugged plain toe shoe carries features 1, 3, 6 and 7. Brown retan upper. Solid leather insole and midsole. Tough non-slip corded composition sole and heel. Genuine Goodyear welt construction.

Peters Diamond Brand WORK SHOES

MONEY-BACK GUARANTEE

To the wearer who finds paper or fibre board in the heels, insoles or counters of a pair of Peters Diamond Brand Work Shoes,, we guarantee to refund the full purchase price and, in addition to the refund, will replace the shoes *free* of charge

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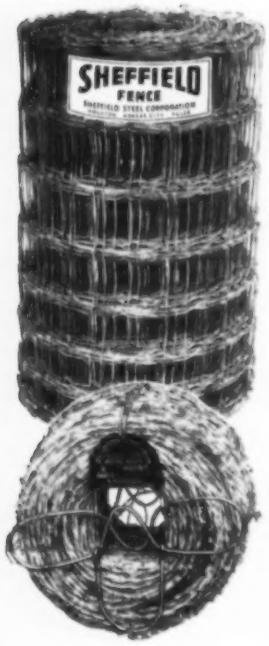

It takes a *good* fence to earn that "Good Neighbor" title — a fence which is as strong and long-lasting as friendship itself. That's why Sheffield Fence has those extra wraps on the top and bottom strands, and why the knots on the line wires between top and bottom are longer and stronger. In Sheffield's own mills every step of the fence making, from open hearth furnaces to the finished product, is under the same close and exacting controls.

It takes more steel to make Sheffield fence, but it costs no more.

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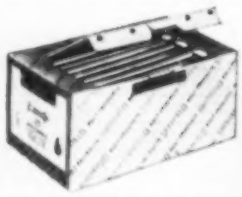

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Gleaning made easy. The Caspers brothers, in Cerro Gordo county, Iowa, built a sled eight feet wide. In the picture (left to right, on sled) are Dale and Orville Caspers; H. D. Caspers (on tractor) says: "We are going to spray all of our corn for borers next year."

How Much Damage Did Borers Do?

Farmers Check Over Losses And Plan What To Do About Corn Borers In 1950

THE corn borer still has farmers guessing. Over the corn belt, farmers have been going over their fields, sizing up damage and trying to figure out why one field got hurt worse than another.

One of the puzzles is the neighborhood where a sprayed field was hit by a high wind and left 30 bushels on the ground. And where another field, a few miles away and unsprayed, stood up better.

How can these and other differences be explained? Here are some possibilities:

1. The high wind came in gusts, hit some farms harder than others. A field that stood up may have been lucky, not tough.

2. Rainfall was spotty, too. A field that got local showers in August would have more resistance than a field which missed those showers.

3. Soil is different. Corn on a sandy knoll is bound to be hurt worse by drouth, wind, borers.

4. Corn varieties respond differently. Stalks that stayed green longest were less apt to break. But in a wet year, with an early frost, some of these varieties might not have matured.

5. Planting time made a difference. Moths may prefer the taller patches for egg-laying.

6. Even where the kill of borers was good on the first brood, the second brood (unsprayed) may have done a lot of damage.

A peculiar thing was reported by Emmet Hirt, O'Brien county, Iowa:

"Where we had sprayed," he said, "a stalk would break above the ear. After the high wind, the rest of the stalk still stood. In the unsprayed part, the stalks broke below the ear. That all went flat."

Evidently, his early spraying had kept borers from weakening the lower stalk too much. But the second brood had done the damage in the tops.

This corn was planted May 8. Spraying was done by air, using enough of the emulsion to supply not less than 1½ pounds of DDT per acre. The corn was over 36 inches tall when sprayed. Egg-mass counts had been 70 to 85 per 100 stalks.

Then came a hard rain. Count dropped to 35, so Hirt waited till the number had built up again. By that time, some had hatched.

Hirt thinks he missed it by not spraying sooner. Even so, he got a yield of about 75 bushels from the sprayed part, compared with 60 bushels from the other. Gleanings were about 12 bushels an acre from the sprayed corn, but only five or six bushels from the other.

Here's another O'Brien county farmer with evidence: A. W. Scholerman and his son Fred sprayed a part of their corn with a ground outfit.

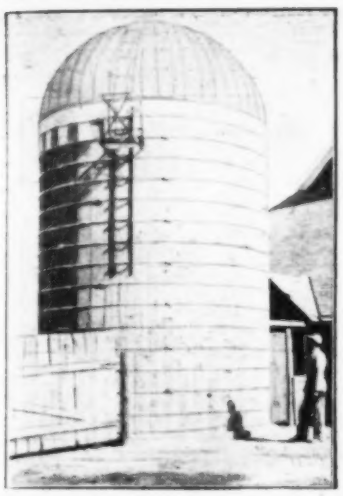
"All summer, you could see to the row where we'd stopped," said Scholerman. "The leaves kept more healthy and green."

At harvest, they found a big difference in yield. An added spraying, given to part by plane for second-brood borers, didn't seem to affect the yield much. They suspected the spraying was done too early to be most effective.

A visit in Cerro Gordo county, Iowa, revealed another favorable test. H. D. Caspers sprayed part of his corn, using 1½ pounds of DDT in 10 gallons or more water per acre, and repeated it a week later. Egg counts were 300 the first time—50 the second time.

A check by County Extension Director Marion Olson gave these figures: On unsprayed, estimated yield 54 bushels, six borers per stalk. On sprayed, 74 bushels, and an average of one borer to every two stalks.

"Ears hung on better where sprayed, too," said Caspers. "We



Not Silage but shelled corn, resealed, in this new 14x20 silo in O'Brien county, Iowa. Roy McCarty looks it over. Another silo holds another 2,500 bushels.

think enough of it that we're going to spray it all next year."

For Caspers, things worked out fine by following USDA advice: Spray when 35 inches tall, if egg count is over 50.

But contrast that to Tom Haddon's experience in O'Brien county: "We never had a very high egg-mass count," he said, "but the corn was full of borers."

Moth traps were used this year to get a count on the number of moths flying. "When the moth season reaches its height," says Leonard E. Hoffman, of Hardin county, Iowa, "that's the time I think I'd spray." Like others, he feels that egg counts and height of corn are not sure guides.

Wallace Martin, also of Hardin county, sprayed when his corn was 35 inches tall, with definite results. "But I think I should have sprayed sooner," he said.

Some farmers may draw these conclusions:

1. Spray early enough. Don't wait for corn to get just so high, if you know eggs are being laid. "I'd want my own outfit," said Will Eno, Cerro Gordo county, Iowa. "Then you can do it on time."

2. Repeat in seven days. For this spraying, next year, Caspers wants to use DDT powder, with 20 gallons or more water per acre, at high pressure, right down on top of the corn rows, so it penetrates the whorls. (Emulsion must be used for low-pressure, low-gallonage spraying — powder doesn't dissolve well enough.)

3. Use at least 1½ pounds DDT per acre. Hoffman and Hirt had good results from air spraying. Some trials favored ground spraying. "We know high-pressure, high-gallonage spraying is best," said Hoffman, "but many won't want to go to that extra trouble."

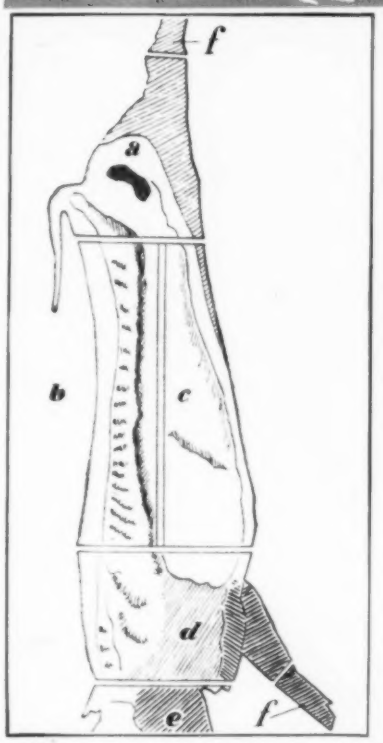
4. Another spraying, in midsummer, may be advisable if second brood is heavy. This may prevent topped corn and reduce dropped ears.

To have all stalks plowed under by May 15 would be a big help. The story is told of an Iowan who moved onto a farm in Ohio, where the borer has been a pest for many years. When he started to disk his stalks for oats, the neighbors called. "We plow under all our stalks here," they told him.

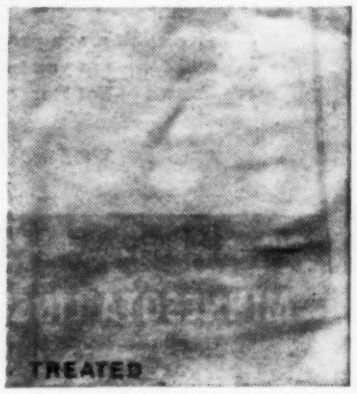
Scholerman advises spraying fence rows with 2,4-D. "If you get rid of those large-stemmed weeds and leave nothing but blue grass," he said, "then the borers can't winter there."

Farm Service Bulletin

1 BIGGER ROLE FOR TURKEY — USDA research shows good ways to cook large turkeys divided into halves, quarters, cut-ups, steaks. Directions for these newer, handy forms are among features in a booklet, "Turkey on the Table the Year Round," free from USDA.

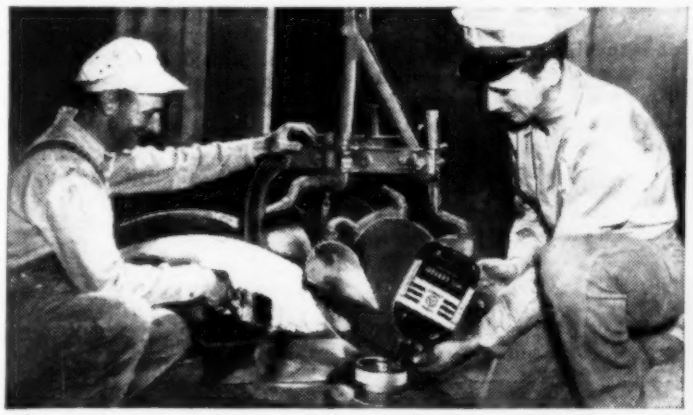


3 USDA BUTCHERING NEWS — The above illustration shows how the USDA recommends cutting up a hog carcass. (a) Ham; (b) loin; (c) bacon strip; (d) shoulder; (e) head; (f) feet. Trim all cuts closely using lean for sausage, fat for lard. Write USDA for F. B. 1186.



2 NEW COTTON BAGS KEEP OUT INSECTS — USDA tests show that experimental bags made with insecticide-treated cotton yarn protect flour and other products from insects that enter ordinary bags and lay eggs. (Picture on left shows larvae and webbing inside bag infested by flour moth.)

4 HEAT AND CORROSION RESISTANT MOTOR OIL — Cities Service Premium Trojan Motor Oil fights engine injury caused by heat and acidic corrosion. Also fights harmful sludge and varnish in engines. Your Cities Service Representative has it.



5 REMOVE AND PREVENT RUST — Clean rust from farm equipment with Cities Service Rust Remover; fast, easy action. Prevent future rust with Cities Service Anti-Corrode. Dip or brush applied. Get both from Cities Service farm representative.

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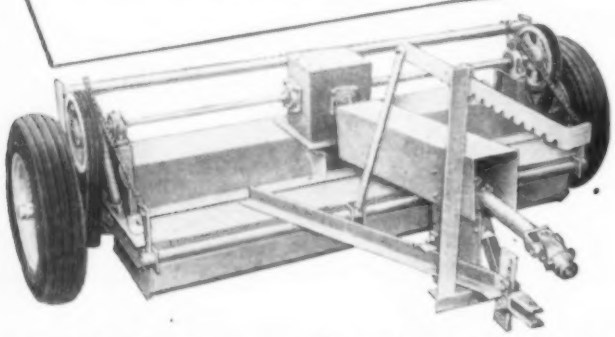

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STALK SHREDDER

No need to disk ahead of the plow when you use the Durabilt Stalk Spreader. Use any time in the fall and winter after corn is harvested.

Shreds and chops the crop residue into a fine mulch. Deadly to corn borer, improves the soil. Increases crop yields as much as 10 to 15 bushels per acre! Same thorough, dependable action as your feed hammermill. No knives to sharpen—no rigid blades to break. Adjustable ground clearance for best performance. Free-floating—rides over uneven ground. Full two-row cutting width. Powered by tractor take-off, any two-plow tractor or larger. Built to give years of service. Pays for itself first season.

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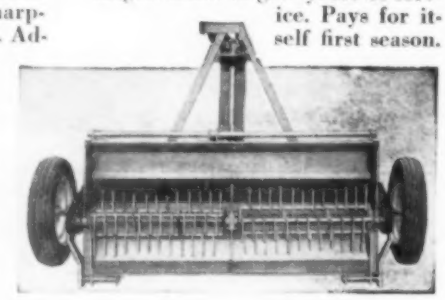
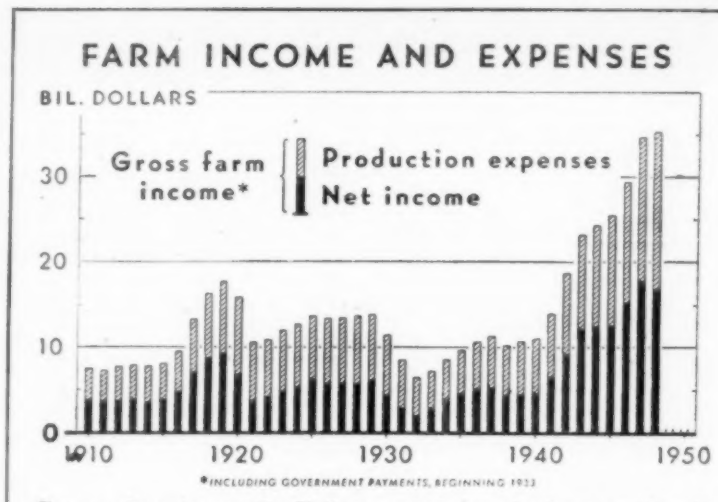


WRITE for full information, prices. Quick delivery. Durabilt Mfg. Co., 659 Arnold Avenue, Aurora, Ill.



Gross farm income for U. S. as a whole may be down another 10 per cent next year, says BAE. That's about as much as income this year (column at far right) is down from 1948 (second column from right). Expenses (shaded areas) don't fall as fast as gross income, so net farm income may be off 15 per cent in 1950.

Your Income May Drop A Little

But Prospects Look Good For 1950; Price Support Programs Are Big Question Mark

WHAT kind of money do farmers stand to make next year? The USDA's Bureau of Agricultural Economics has just finished its annual job of trying to answer that question. In Washington, early this month, the BAE forecast for 1950 was outlined, and explained, to folks from the country's state colleges — including Iowa State's Francis Kutish, Herb Howell and Naomi Shank.

In the past, BAE has done a pretty fair job of helping farmers see around curves in the road ahead. So its guesses for 1950 are worth a close look.

The experts found plenty of haze in the crystal ball. But it wasn't too thick to hide this forecast:

Next year will be another good one for farmers, particularly in the midwest. You may have to take your belt in another notch, or half-notch, but your health still will be far better than it was before World War II.

Here's another way of saying it: Farm prices and income will continue to slide down a gentle slope. But they won't be tumbling over the edge of any steep cliff.

The arithmetic of the situation goes like this: General business activity, employment, the amount city people spend for food, and the total amount of stuff you have to sell all will continue high. But each may be down a tiny bit.

Adding them up, the BAE people see a 10 per cent drop in the total cash farmers will take in next year.

But the expenses of farming won't go down that much. So net income of farmers may be 15 per cent lower than in 1949.

Those figures, of course, are for the country as a whole. For Iowa farmers, net income may drop no more than another 5 per cent in 1950.

Those general figures sound fairly good. What happens when you start pinning the guesses down to corn and hogs, cattle, soybeans, poultry and other products in which Iowa farmers are interested?

The BAE's outlook conference spent a lot of time talking about each kind of farm product. Much useful dope was presented. But sooner or later, each discussion ran smack into this question: What effect will the new price support law have on this commodity?

In most cases, the exact answer couldn't be given. Secretary Brannan and his agriculture department haven't finished digesting the Agricultural Act of 1949, which starts next January 1st. So the whole question of price supports and acreage allotments remains fuzzy.

This much is certain: Government farm programs will have a much more direct effect on your business than they've had for several years. How much you make on almost everything you produce will depend, at least in part, on what Uncle Sam says or does.

Now let's see what BAE is guessing about individual farm products, and what the guesses might mean:

FEED GRAINS: Corn supplies, of course, are large. Even with acreage allotments, which are almost a sure bet for 1950, and even if weather isn't so good, there'll be a better-than-average supply of corn next year. But there might be less "free corn," and market prices may be closer to loan rates. Small feed grains might be more plentiful — and cheaper — if land taken out of corn is planted to oats, barley, sorghums, etc.

HOGS: BAE thinks livestock numbers will go up again next year, with most of the increase in hogs. The guess is that the 1950 spring pig crop will be up 5 per cent. Price supports have been announced to run thru March, and not required after that. It's a good bet that prices will be supported after March, but not at present

levels. So hogs are almost certain to be lower-priced in most of 1950. With corn — especially if there are acreage allotments — tending to hold up, corn-hog ratios could drop to somewhere near the 12 or 13 to 1 average.

BEEF CATTLE: Cattle numbers seem to be on the way up, but BAE doesn't expect much more beef next year. Larger pork supplies might push down on beef prices some. But chances are that year-average cattle prices in 1950 won't be much different from 1949 —tho the top isn't likely to hit $40 again.

SHEEP AND LAMBS: There are signs that the steady decrease in sheep numbers has slowed down. But lamb slaughter probably won't go up in 1950, so prices may stay high in comparison with prices of other meat animals.

DAIRY: BAE says domestic demand will be down some, and exports will be smaller. But there'll probably be more milk, and more of it will have to go into manufactured dairy products. That means lower prices. Price supports probably won't stop some decline. The new law permits supports as low as 75 per cent of parity, so they may not stay at the present 90 per cent level.

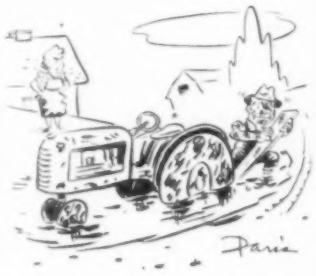
POULTRY: BAE expects fewer chickens and turkeys in 1950. But poultry flocks now are large, and egg production next year will stay high. And it's a sure bet that the new farm law will bring lower egg support prices. So poultry income is bound to be down.

SOYBEANS: Exports have been high, and are expected to stay that way thru 1950. Domestic demand continues strong. Good supplies of all fats and oils might push down on bean prices a little, however. Nobody yet knows whether there will be a price support program for soybeans in 1950. But if we have acreage allotments on corn and not on beans, a bigger bean crop next fall might give prices a heavy downward push.

Where does all this leave you? Two main points stand out:

1. Price support programs will affect your business in more ways next year. So keep your eyes open for government announcements about support levels and crop controls. Support figures will show you what prices to expect for many products. And acreage allotments will require you to do some close figuring on whether to cut production, and how to use extra acres if you do.

2. Your prices are working slowly downward, your costs aren't moving much. So efficiency will pay off more than ever. The best farmers are sure to have the best incomes next year.



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Simply see your Red Brand dealer. He will help you get a Practical Land Use Program started—at no cost to you. He will work with you in obtaining the help of your local Soil Conservationist to develop a Practical Land Use Program designed especially for your farm.

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It takes plant food to make crops, just as it takes feed to make meat, milk and eggs. Animals take only about one-fourth of the plant food out of their feed, according to Ohio experiment station Bulletin 605. Most farms lose more plant food by waste from manure than is absorbed by livestock. Don't cheat your soil that way! Spread manure before it is robbed by fermenting and leaching. For greatest gains, spread it thin *and even.*

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Low wheels and low box make loading easier, faster, whether by hand or by mechanical loader. Self-raising hitch lets front of box down for still lower loading. This Case spreader backs into barns; pulls close to piles like a two-wheel cart. Sturdy steel frame, long-lived bearings and good lubrication give it long life with low upkeep.

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Wheels are placed so weight of load aids their "ground grip" until unloaded; full load adds weight to tractor wheels. Sharp beater teeth shred thoroughly; steadier apron travel assures even spreading. Geared for rubber-tired speed, this spreader makes practical the extra gains of thinner spreading on greater acreage.

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BUY SAVINGS BONDS—THEY WILL HELP YOU LATER—BUY ALL YOU CAN—NOW!

Barn cleaner is three years old, cost $1,200 installed. But Emil J. Lamparek, Linn county, Iowa, says it has more than paid for itself. He milks 30 cows, can clean the barn in 15 minutes now.

Do It The Easy Way

SAVING labor is good for the back. And it's almost the same as saving money. Emil J. Lamparek, of Linn county, Iowa, produces Grade A milk for the Cedar Rapids market.

Handling 30 cows, in addition to the young stuff, he has spent some cash, done some work and a lot of planning, and as a result has cut his dairy chore time more than half in two.

He can clean the 30-cow barn in 15 minutes now; he cleans it twice a day in the winter, and used to spend almost two hours at that job. In addition, the manure goes right on the field, does not leach away.

His grinding room and feed handling equipment save a lot more chore time; so does his convenient milk room.

"All in all, I can get to the field an hour earlier and work an hour longer at night since I have rearranged things," Lamparek says.

Milk hauler gets most of the benefit from this roller-conveyor. Ten cans at a time can be pushed on this track.

Another place to save time is in handling feed. Lamparek uses old manure carrier to haul feed from grinding room to the cows. He says rearranging his barn saved two hours' work a day.

Jim Murphy Says:

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THIS year, with grain plentiful, you can save feed money and get top feeding results by using your own grain to make the poultry mashes, pig feeds, dairy feeds and steer rations you need. Your farm grown grains and roughage are about the cheapest feeds you can use. But when fed alone, they lack important substances that livestock and poultry must have if they are to avoid serious breakdowns and costly death losses. You can avoid profit-robbing feeding troubles and get much better results at a lower feed cost, if you will bolster up your farm feeds with the important protein-mineral-vitamin nutrients that livestock need for good health and top production. An easy, low-cost way to get an ample supply of these vital nutrients, all in one bag, is to use

Murphy's Concentrates

When you use Murphy's Cut-Cost Concentrate for Livestock and Murphy's Vig-O-Ray Concentrate for Poultry, you buy only the "Heart of the Ration" protein, mineral and vitamin substances that balance up and fortify your farm grains and roughage and make them into top-notch rations for your livestock and poultry.

Only a small amount of Murphy's Concentrates is needed. For example, 200 lbs. of Murphy's Cut-Cost mixed with 1800 lbs. ground corn and oats makes a splendid hog feed—and 250 lbs. of Murphy's Vig-O-Ray mixed with 100 lbs. of alfalfa meal and 650 lbs. of ground grains gives you an excellent laying mash at a very low cost. Yes, this year you can spend less for feed, get better feeding results, avoid costly feeding troubles, and make more money if you use Murphy's Concentrates.

See your Murphy dealer, or write for free booklet, "Essentials of Good Feeding." Address your card to Murphy Products Company, Department F-119, Burlington, Wis.

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MASON CITY, IOWA

Farm News Briefs

PARITY RATIO for Iowa farmers dropped last month to 100, same as in the 1909-1914 base period. Prices paid and prices received indexes both stood at 262. The first hadn't changed from September, the latter was down from a September level of 274.

▲ ▲ ▲

IOWA BOUNCED back up to third place in honey production this year, with 16.7 million pounds. Minnesota was first (27 million pounds), California second (22.4 million). Iowa usually ranks second, and sometimes first, but dropped to tenth in 1948.

▲ ▲ ▲

EXPORTS under the new International Wheat Agreement since August 1 have been about 13½ million bushels (including flour). Big buyers have been Belgium, Portugal, Mexico, Peru, Ireland.

▲ ▲ ▲

CHAMPIONSHIP in the Iowa Farm Bureau's first annual safe drivers' contest for rural youth members goes to Ralph Bock, of Carroll county. Ralph Baughman, Johnson county, was second; Robert Cadwell, Dallas, third.

▲ ▲ ▲

COMING EVENTS: International Livestock Exposition, Chicago, Nov. 28-Dec. 3; Iowa Farm Bureau Federation convention, Des Moines, Nov. 28-Dec. 1 (see below); Iowa township PMA elections, Nov. 28-Dec. 2; Iowa county PMA elections, Dec. 3; American Farm Bureau Federation convention, Chicago, Dec. 11-15.

IFBF Convention Opens Nov. 28

Walter Reuther, president of the CIO United Auto Workers Union; Clinton Anderson, former secretary of agriculture and now a senator from New Mexico, and Executive Secretary Clarence Pickett, of the American Friends Service Committee, will headline the speaking programs at Iowa Farm Bureau Federation's annual meeting in Des Moines, November 28-December 1.

Reuther will speak Tuesday afternoon, November 29, at KRNT Radio Theater, as will President Ray Wiser, of the California Farm Bureau. Tuesday's program also includes annual reports by IFBF Secretary Kenneth Thatcher, Treasurer D. B. Groves, and Women's Chairman Mrs. Roscoe Eliason.

Pickett and Mrs. Raymond Sayre, Warren county farm wife and chairman of the Associated Women of the American Farm Bureau, will speak Wednesday morning, November 30. Afternoon program Wednesday features Anderson and the annual address of IFBF President Howard Hill.

Program for Thursday, December 1, includes consideration of resolutions and election of a president and four district directors.

The convention opens Monday, November 28, with separate livestock, organization, women's and rural youth conferences.

HOW SOON will soil conservation start to pay off for you?

IMMEDIATELY!

SOIL conservation starts to pay off the instant you start the program . . . by stopping further costly erosion, by keeping the productive value of the land—and your earning power—from shrinking still more. In addition, conservation increases the yield-per-acre of your farm. A recent government survey among 9300 farmers showed that soil conservation practices have resulted in an average yield increase of 35.7%.

There are many effective conservation measures that you can use to help stop erosion and start to rebuild your farm: Plant trees along gullies or on steep slopes to retard water and hold soil . . . divert water to disposal areas or to storage ponds . . . use lime, manure and legumes to rebuild the sod . . . employ contour tillage and strip cropping to retain rainfall.

Fence plays an important part in soil conservation. You may need to relocate your fences so you can plow on a contour . . . you may need a barrier of woven wire fence to hold the refuse and slow down runoff . . . or you may need to fence off reclaimed areas from livestock. By doing these things you take the first step toward making your farm more productive.

Whatever your fence needs—the best fence to use is U·S·S American. Place your order now. Your U·S·S American Dealer probably can supply you from stock.

AMERICAN STEEL & WIRE COMPANY,
GENERAL OFFICES: CLEVELAND, OHIO
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TENNESSEE COAL, IRON & RAILROAD COMPANY, BIRMINGHAM
UNITED STATES STEEL EXPORT COMPANY, NEW YORK

SEND COUPON FOR FREE BOOKLET

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Room 410, Rockefeller Building, Dept. I-11
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Gentlemen:

Please send me your booklet, "It's Your Top Soil" which tells how to start a soil conservation program.

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Champion D.D.T.

For Corn Borer Control
Every Barrel CHEMICALLY TESTED
MEETS U.S. GOVT. Specifications

ONLY $2.10 PER GAL.

PRICE GUARANTEED ON IMMEDIATE ORDERS

PAY NOTHING DOWN

This sensational Champion offer guarantees this price if ordered by December 15, 1949. Save up to 20%—30% by ordering now! Champion DDT is guaranteed to be of the finest quality, purity and strength.

ORDER NOW

FROM YOUR DEALER OR DIRECT FROM AD

Here's a terrific DDT offer. Finest quality **CHAMPION 25% DDT EMULSION** for **only $2.10** per gallon. **YOU PAY NOTHING DOWN.** ORDER NOW through your local dealer or **mail the coupon** below. We will reserve your order and ship when you want it. This price is guaranteed! So take advantage of these tremendous savings NOW! Ask your local dealer to place your order now or mail the coupon. Don't be caught short next spring. There's no finer DDT than Champion. You'll save by ordering NOW! Only $2.10 per gallon, in 55 gallon drums.

MAIL TODAY

WESTERN SILO CO., (Chemical Division)
WEST DES MOINES, IOWA

Gentlemen: Please enter my order for ..... gallons of CHAMPION DDT at $2.10 per gallon, in 55 gallon drums. (Available also in 5 gallon and 30 gallon drums at slightly higher prices.)

NAME .....
ADDRESS or R.R. .....
TOWN ..... STATE .....
Ship C.O.D. on or about ..... (date) to ..... (freight station)
(We pay freight if you take delivery by December 15, 1949)

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DEALERS

Accept all orders from your farm customers on this unusual offer. We will protect you! Prices guaranteed. **NO MONEY DOWN!** You specify delivery date. **ATTRACTIVE DEALER DISCOUNTS.** Write today for information on this marvelous "ground floor" opportunity! **PLACE YOUR ORDER NOW!**

ADDRESS:
CHEMICAL DIVISION

WESTERN SILO CO. West Des Moines, Iowa.

UNLOAD 20 BUSHELS *In One Minute!*

THE ORIGINAL FEED AND GRAIN UNLOADER...

No more back-breaking shovel work! The new H-K UNLOADER unloads 20 bushels of any whole or ground grain—**in one minute!** One man does the whole job from the tractor seat. The H-K UNLOADER is ideal for thorough mixing of protein with ground or whole grain. Unloads in any direction, with tractor moving or standing still. No belts, no pulleys — operates from tractor power takeoff. Fits any flare-type wagon box. Positive auger feed. A year-round tool for your farm. Write for price and full facts!

HOTCHKISS STEEL PROD. CO.
Bradford, Illinois
Dept. 1192

Farm Bookkeeping Can Be Easy

It Will Save You Money, Too, When You Start To Figure Your Income Tax

Pencil Work **helps make the farm pay. C. A. Hove, Winneshiek county, Iowa, holds a pocket ledger in his hand.**

IF YOU operate just an average-sized farm, your business is too big to depend on memory. Writing things down should be a regular farm chore.

This chore, if regularly done, will make you money. For instance, if you forget a $100 bill paid for seed or repairs, your income tax will be increased by $16 or possibly $20.

There are other ways in which keeping books can save you money and worry. Disputes over whether you have paid your neighbor for labor or seed can often be settled by going to the account book.

A well-kept account book also makes it possible for you to compare receipts and expenses one year with another. This can be both interesting and profitable.

How can this bookkeeping chore on the farm be made as easy as possible? Here are some steps that may help you:

1. Get a good farm account book before the new year begins. But look out for hard-to-understand farm account books that crowd too much in too little space.

The farm account book should, and can, be simple. Farmers don't need the complicated bookkeeping systems used by business. You need a place to write down what you have bought and what you have sold, with dates and amounts. It can be just that simple.

2. The second point in making your bookkeeping easy is to have a definite place for the farm account book, and always keep it there. A pencil should be there, too, that no one is to borrow—ever!

With a good account book and a pencil handy, it is easy to write down every business deal on the day that it was made. The time required won't average five minutes per day.

It is a good idea to keep all receipts and sales-slips, also. These should have a definite place, the same as the farm record book. Canceled checks returned from the bank should be kept with the receipts and sales-slips.

3. Some bills may still be forgotten and not get into the account book. This will happen when payments are made in small amounts and no receipts are taken or given.

One way to prevent forgotten bills is to make a note of them on the spot, and place the note in your billfold. Put such notes in with receipts and sales-slips when the amount is recorded in the record book.

Many farmers do not realize how much total expense they pay in small amounts. If this is all accounted for, the income tax at the end of the year will be much smaller.

If the three points above are followed, the bookkeeping chore will not be too difficult. You will find it convenient to refer to the record book often, and you will have an easier time with your income tax form.

Where can you get a simple farm record book? Wallaces' Farmer and Iowa Homestead can supply you with a book for 50 cents, postpaid. The book regularly sells at $1.

This account book has 22 pages of income tax information and about the same number of pages for writing down sales and expenses.

A depreciation guide and answers to common income tax questions are included in the book.

One big advantage for this book is that the farm receipts and expenses are classified under the same heads used in the income tax farm schedule.

For example, "Machine Hire" is one classification in the account book. You just add the items up and transfer the total to the same head under expenses on the income tax form.

You can get a copy of this "Account Book and Income Tax Information" by sending 50 cents to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. Books are ready to send out now.

OUR FARM ACCOUNT BOOK

Is simple, easy to keep.

Has roomy lines for each item.

Classifies income and expense to match the income tax forms.

Contains 22 pages of up-to-date income tax information.

And will be sent to you for 50 cents, postpaid.

Order your copy today. Address, Income Tax Editor, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

From ... GREEN ROUGHAGE to small grain

Your Wetmore Mill is quickly and simply adjusted to perform ANY feed chopping and grinding job. It fairly "eats up" either threshed grain or ear corn . . . wet, green or dry hay and roughage . . . loose or bundled. Chops coarse or grinds to any fineness desired. Fills silos, too!

It's all the same to **WETMORE** *KNIFE-TYPE* **Hammer Mills**

BUY MORE in a WETMORE

the **all-purpose** mill with 18-year reputation for superior performance.

Costs less to own . . . Costs less to operate

18 Years a Leader

See your Wetmore Dealer . . . or write us for descriptive literature and information. HC-1

WETMORE PULVERIZER & MACHY. CO.
TONKAWA, OKLAHOMA

STORE SURPLUS CROP under a PERMCO TOP

SAFE APPROVED

A PERMCO TOP will cost less than $10.00 per year and save you hundreds—on a 10 year minimum—a sturdy roof that will withstand all winds and weather—for easy handling the top comes in eight sections which bolt together quickly with only 16 bolts. Immediate shipment.

Easily fastened to slat or wire cribbing.

Safe, Profitable Corn Storage—1,350 bushel crib complete $158.70—safe low cost approved storage.

SEE YOUR LUMBER DEALER OR WRITE

PERMCO MFG. CO. PERU, NEBR.

QUICK

Speedy, effective relief from coughs. Like a doctor's prescription. Satisfaction or your money back.

COUGH DUE TO COLDS
WAIT'S GREEN MOUNTAIN COUGH SYRUP
RELIEF

OTTAWA POST HOLE DIGGERS
(THERE IS NO OTHER LIKE IT!)

Prices from $99.50 up. The digger you have been waiting for. Quick hitch to any tractor with power take-off. Fastest power auger return. Heavy hi-speed two flight auger. Safety clutch prevents damage, eliminates shear pins. Simply one-man machine. Write today for digger facts, new low prices.

Patents Pending

OTTAWA MFG. CO., 5-907 Elm St., Ottawa, Kans.

PATENTS Write for information on what steps an inventor should take to secure a patent.
Patrick D. Beavers, 982 Columbian Bldg., Wash. 1, D. C.

OUTSIDE STUFF

DAN Schnittjer, Delaware county, Iowa, and his boys have a good system for handling roughage. They chop all their hay—tons and tons of it—and then blow it into the barn with an old threshing machine blower.

• • •

THE blower puts the chopped hay 'way back in the mow, and has capacity to handle it pretty fast.

• • •

THE Schnittjers windrow their oats with an old binder; then, instead of combining, they run the oats thru the field chopper with one set of knives removed.

• • •

THE oats then go thru a threshing machine, and the straw is also blown into the huge barns or sheds.

• • •

LAST summer, Emil J. Lamparek, Linn county, Iowa, dairyman had a chance to buy waste sorghum leaves from a sorghum mill at $3.50 a ton delivered to his farm. He filled one silo with the stuff. Now his cows like it, and it seems to have made good feed, he says.

• • •

THERE'S been a lot of water over the dam since Elmer Carlson, Audubon county, Iowa, and Fred Stanek, Webster county, Iowa, won their national corn husking championships. But they still have that old rhythm — at least they did when they demonstrated for cameramen during the machine picking contest the other day.

• • •

SOME agricultural spray outfit sent me a British calendar. All year I've enjoyed the various notations on it.

• • •

FIRE insurance days of grace expired October 14; pheasant shooting was opened October 1, and fox hunting on November 1. Seems odd not to see Thanksgiving marked in November, tho.

• • •

IF YOU buy any feeder pigs, you might do well to remember the advice I got from an Adair county, Iowa, feeder: "Remember, pigs will get along fine as long as you give them better care than they had at home. When you get them, remember you have to do better by them than the man who sold them," he says.—W. D. Inman.

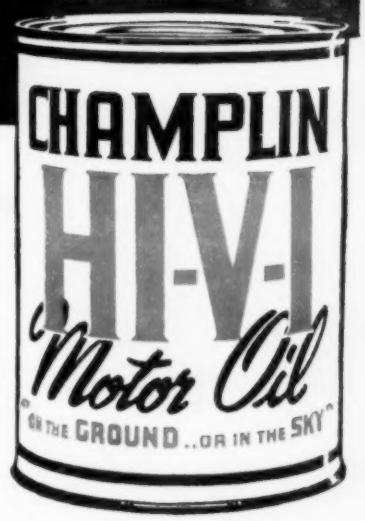
"I have three sons to help me in the fields, but no daughter to help with the dishes."

ONE STANDS OUT . . .

Roberta Woodson of Douglas, Oklahoma, an outstanding farm girl, whose steers have twice been grand champions in the state, over all FFA and 4-H contestants.

AMONG MOTOR OILS IT'S HI-V-I

Twice in 4 years, Roberta Woodson's steers have gone home with the blue ribbon, best in the state! It took hard work to accomplish it, just as it takes careful refinement to produce an oil of such uniform quality and power-packed action as HI-V-I! For more miles per change, try HI-V-I!

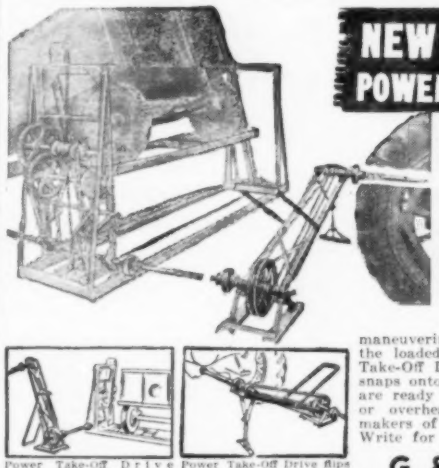


Economy-wise motorists who want the best lubrication for the least money, make it a habit to

CHANGE OIL AT THIS SIGN!

a product of
CHAMPLIN REFINING COMPANY
Enid, Oklahoma
Producers, Refiners and Distributors of Quality Petroleum Products Since 1916

NEW! Farmer's Friend POWER TAKE-OFF DRIVE



Power Take-Off Drive easily flips back out of the way for tractor and wagon to pull in or out.

Power Take-Off Drive flips into position on adjustable stand and it is attached to tractor spline shaft.

Dump Your Load In Half the Time!

Makes Your Grain Elevator Job . . . *Easier, Faster, Safer.*

This new Power Take-Off Drive will save you time, work and patience at harvest time. No speed jack stakes to pull loose or belt to slip off — no maneuvering or positioning of tractor. You pull the loaded wagon into position, flip the Power Take-Off Drive over and in one minute's time it snaps onto the spline shaft of your tractor. You are ready to go. It may be used with platform or overhead wagon jack hoist. Made by the makers of the famous Farmer's Friend elevators. Write for literature and name of nearest dealer.

G & D MFG. CO.
DEPT. E-40 STREATOR, ILLINOIS

—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

KENT FEEDING PROGRAMS PAY!

"CAN I SAVE MONEY FEEDING MY CATTLE KENT BABY BEEF SUPPLEMENT IF SINGLE INGREDIENTS ARE CHEAPER?"

Yes — AND HERE ARE THE REASONS . . .

A — CATTLE GAIN FASTER on a mixed supplement than on straight ingredients. This has been confirmed many times in test work at the Ohio, Iowa and Kansas stations. Cattle relish their corn better, too.

B — COST OF GAIN IS LOWER. The same test work has proved that a mixed supplement like KENT BABY BEEF will give cheaper gains than a single ingredient.

C — KENT IS MORE PALATABLE than any straight ingredient. KENT BABY BEEF has just the right amount of molasses to keep cattle on full feed. Danger of cattle going "off feed" is greatly reduced.

D — LESS SCOURING. Linseed Meal, in particular, causes cattle to be "loose." KENT BABY BEEF keeps bowels in a healthy condition.

E — MINERAL LEVELS are properly controlled with KENT BABY BEEF. Needed minerals are included for balancing grain.

F — VITAMIN "D" FORTIFICATION in KENT BABY BEEF assures healthy bone condition and the extra bloom that the right levels of Vitamin "D" give.

G — All these mean that your cattle will sell higher at market time. KENT BABY BEEF SUPPLEMENT gives you the extra finish, bloom and lower cost gains that mean more profit to you. See your local KENT dealer today or write us direct.

Send for a FREE copy of the new KENT Beef Feeding Program!

WRITE DEPT. WF
KENT FEEDS
BOX 308 MUSCATINE, IOWA

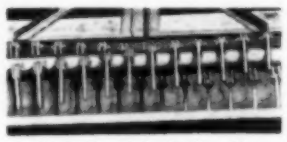
54,000 Ripping, Tearing Hammer Blows a Minute Completely Pulverize Stalks

Knock Out Corn Borers with BENNETT CORN STALK PULVERIZER

Over 1,000,000 powerful blows a mile by 54 case-hardened, 4-edge, spiral mounted hammers completely pulverize stalks so they are easily covered with your plow. Controls corn borers and other pests. Enriches the soil. Does a thorough job on heavy hybrid stalks, bean hay, stubble brush, and all other pulverizing jobs. Use with rows or across rows.

FLOATING CARRIAGE

Frame floated on heavy coil springs absorbs shock . . . adjusts automatically to uneven contours of ground . . . eliminates vibration. 2-inch hammers, mounted on 1-inch case-hardened bushings, are reversible for longer wear, easily replaced. Cylinder carried on pre-sealed, permanently lubricated self aligning heavy duty bearings. Case hardened, heat-treated gears, running in oil on roller bearings. Chain drive. Machine completely shielded to protect operator. Full lever adjusted from tractor seat. Thoroughly field tested. 2 plow tractor pulls it.



Underside sectional view of part of cylinder and hammers.

Heavy-Duty Wagon Running Gear

Replace your worn-out running gear with the improved Bennett. Actually sells for price of Lightweight on direct-to-you basis. Complete except for box and tires. WRITE for Details and Low Price.

WRITE for complete information and low prices.

BENNETT & SON, Inc., LENOX, IOWA

Also manufacturers of John Deere A5th and 6th speeds, regular 7-20—7-30 Road Gear and Starter, Disc Transports, 130 Road Gears, A-C Pulley Shift, Morhain Master Unloader, etc.

SAVE YOUR LIFE!

What's the difference between "quick" and "hurry"? N. J. Wardle, Iowa State College safety specialist, describes it in this story.

"THIS is one load I'll really enjoy unloading."

"You bet, Bill. It's the one we've been waiting for." Jim had just pulled the picker off the last row of corn, and had stopped for Bill to unhook the wagon before taking the picker to the shed.

"How much should I put in the crib?" Bill asked as he released the hitch so Jim could pull away.

"Put it all in if you can. While you're unloading I'll give the picker a greasing, to protect it 'til next year."

Bill hooked on to the wagon-load of corn and started for the yard. He stopped by the elevator and started to unload. Soon he saw the corn piling up at the end of the elevator.

He ran into the driveway and started climbing the crib wall. "Slats in a crib make a good ladder for climbing," he thought.

But, in his hurry, Bill's foot struck an ear sticking part way out. He slipped, lost his hold, and fell heavily to the floor. There was a sharp pain in his left arm, then only a numb feeling.

As Bill got up, his left arm hung at a crazy angle, and each move was painful. He moved slowly, holding his left arm against his side with his right hand. He was in intense pain as he walked over and shut off the elevator motor.

Yes, Bill's arm was broken. Too much hurry? How much would a ladder cost? More than a broken arm? Those were some of his thoughts as he leaned against the crib, then painfully walked to the house, too sick even to call out.

Hurry! Hurry!! Hurry!!! Every day, people hurry to get things done.

Why not? Isn't it necessary in this modern day and age to get things done quickly? Sure, but that doesn't mean hurry.

Hurry usually means haphazard, unorganized, rapid movement. Getting a job done quickly means to make every move count.

"Look at that, Bess. We've been up for five hours, got our chores done, and I'm ready for dinner . . . and he's yammering about his happy breakfast club!"

Speed Up

Your Old Model John Deere A or B or Farmall F-20, F-30 and Regular Model

Behlen GEAR BOX

Go 9 and 15 m.p.h. on your old model John Deere A or B. Two separate, additional speeds. On Farmall F-20, F-30, or Regular Model, you can do 14 to 15 m.p.h.; or if you prefer, you can have 10 m.p.h. gear box for the F-20 or Regular Model. Installed with or without Lift-All Pump.

Bring your old tractor up to date. Do many more jobs in a day. Ideal for bucking hay, rotary hoes, long hauls, etc. Does not interfere with present gears.

Also Gear Box for Farmall H or M Adds Useful Middle Gear

Equip your H or M with this handy in-between speed of 10 m.p.h. Not too fast, not too slow for many field jobs. If you prefer, you can have 7 m.p.h. gear box. Quickly, easily installed.

Write today for full particulars. Be sure to name tractor you are interested in.

BEHLEN MANUFACTURING CO.
Dept. S02 Columbus, Nebr.

Heavy Duty Hog Pan

Pound it with a sledge hammer, or back over it with a tractor! A Siebring heavy duty hog pan won't break. Drop-forged, these 14" pans are ideal for hogs, and other livestock and poultry. At your dealer or *order direct* at $2.25 each.

SIEBRING
MANUFACTURING CO. DRAWER H, GEORGE, IOWA

"Now I Can SLEEP"

"Coffee nerves used to keep me tossing and turning. But since switching to POSTUM, I sleep soundly—and friends have commented on my improved appearance."

SCIENTIFIC FACTS: Both coffee and tea contain caffein—a *drug*—a *nerve stimulant*. So, while many people can drink coffee or tea without ill-effect—others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no caffein—*nothing that can possibly keep you awake!*

MAKE THIS TEST: Buy INSTANT POSTUM today—then drink POSTUM exclusively for 30 days—*and judge by results!* . . . INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

CHAMPION PORTABLE MILL
For Sale or Lease

This 100 H.P. machine has extra large capacity on fine or coarse grinding. Quick delivery, new or rebuilt units with ground level automatic feeder. Will lease complete unit to reliable men without investment or expense. Buy later if desired.

CHAMPION PORTABLE MILL COMPANY
2105 Como Ave. S. E. Minneapolis 14, Minn.

Using his Woods Bros. one-row, pull-type snapper, A. H. Bennett, Dallas county, Iowa, won the championship in a field of 17 entries, at the first machine corn picking contest, held this month.

Picker Operators In First Contest

A. H. Bennett, Dallas County, Iowa, Wins Championship With One-Row Snapper

SOMETHING new in agricultural competition took place near Marion, Linn county, Iowa, a few days ago. Seventeen corn picker operators competed in the first National Machine Corn Picking Contest, sponsored by Radio Station WMT.

The old rules for hand husking contests were revised for this one. Further revisions could improve the contest.

In the old hand husking days, there was no deduction for shelled corn. In the machine contest, there were deductions for shelled corn on the ground in the field and shelled corn in the wagon.

The hand huskers used to be penalized three pounds of corn from their load for each pound of net gleanings. In order to hold the machine pickers at a reasonable gait, this deduction was doubled.

Since there were no standards for clean machine picking, the deduction for husks was established by using the cleanest picker as a base. All above the cleanest sample lost 1 per cent of their load for each of the first five ounces above the cleanest sample, 2 per cent for each of the next five ounces, and so on.

In this contest, the New Idea picker set the standard.

The contest time was lowered from 80 minutes to 20 minutes. Final change in the rules had to do with safety. Safety judges watched each entry. If you had a floppy, unbuttoned jacket, or tried to do something silly, like cleaning the picker while it was in motion, you lost more from your total load.

One contestant lost 24 per cent of the total corn he picked because of the safety deduction.

Final change was in doubling the net load for single-row pickers when it came time to post the figures for the over-all champion.

A. H. Bennett, Dallas county, won first in the one-row pull, and was over-all top man. Using a snapper, he suffered 1,226 pounds deduction for husks, but brought in enough more corn to win. K. O. Knudsen, of Linn county, with his New Idea, was second in the one-row pull class, and John Lasse, of Janesville, Wis., with a Case, was third.

In the two-row, pull-type, first three places went to Harry Sands, Delaware county, with a Minneapolis Moline; Joe Koutny, of Linn county, with a John Deere, and George Benda, Linn county, with an Oliver, in that order.

The Massey-Harris entry, driven by Francis Stark, Linn county, was alone in the self-propelled competition, so he was scored with the mounted two-rows. He won that class, with Orval Bailey, Linn county, and his IHC second. Albert Hensler, Kokomo, Ind., third, with a John Deere.

Over-all, Knudsen was second, Stark third and Lasse fourth.

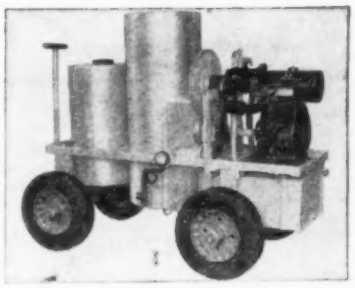
The winning load totaled 4,149 net pounds. In 1938, Alvin Roberts, of Muscatine county, picked a net of 2,439.7 pounds of corn in 80 minutes in the Iowa state hand husking contest. The machine had a deduction of 228 pounds for gleanings, compared with Roberts' 15.6 pounds.

In better corn, in the national hand husking contest in 1940, near Davenport, Irvin Bauman, of Illinois, set a new record of 3,269.9 net pounds in 80 minutes. He had only 3.44 ounces of husks in his sample and only 29.7 pounds of gleanings.

Cleaning and disinfecting his barn in one operation ten times faster than he could do it by hand, this dairyman is using a Hypressure Jenny Steam Cleaner made by Homestead Valve Manufacturing Co., Coraopolis, Pa.

Steam Cleaning Machine Boosts Profits Abolishes Hard Work

Even a twelve year old boy using Hypressure Jenny Steam Cleaner (Farmodel on right) can clean and disinfect a cow barn, hog pen, laying house or other farm equipment in just one-tenth the time it would take an experienced man to do it by hand. Besides abolishing hard work, saving labor expense and disinfecting to reduce stock and poultry losses, this all-purpose machine heats water for drinking, for mixing feed mashes and for butchering; operates a pasteurizer; thaws frozen pipes and drinking troughs; sprays insecticides; sterilizes soil, and does scores of other farm jobs.



A valuable booklet "Farming For Profit", tells all about it. It may be had free by writing Homestead Valve Manufacturing Company, P. O. Box 118, Coraopolis, Pa.

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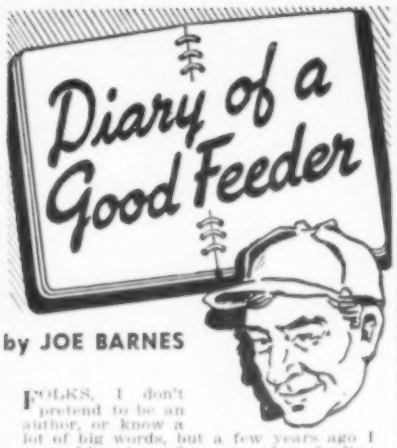

by JOE BARNES

FOLKS, I don't pretend to be an author, or know a lot of big words, but a few years ago I started keeping a few notes of my feeding experiences every day. I didn't think they would see the light of day, but along came the Feed Institute (which has been doing an especially fine job) and gave me a chance to see them in print. My family and I are going to enjoy these monthly visits and we hope you get something out of them.

IT WAS sure crimpy this morning and when I was looking over my sows I got to thinking about how much I've learned in the last few years about them. In fact, at breakfast I was telling the family . . . Sarah, she's my wife, and there's Ted, 14, and Alice, 16 . . . that we've surely made more money since I found out how to feed my sows. And right here, I want to tell you I'm very grateful to Jim Mayne, my neighbor, and Harry Blake, the feed dealer in town, for getting me started on the right foot.

I WAS quite indifferent to all this balanced feeding talk until Jim, my neighbor, said, "Joe, I'll bet if you'd start to feed a balanced ration by supplementing your grains with a good formula feed, containing all of the necessary proteins, vitamins and minerals you'd make more money." I bet him a dinner it wouldn't make any difference over just feeding corn. Anyway, I gave it a fling. You guessed it. I had to buy Jim and his family a dinner, but it was a profitable investment.

YES, SIR, I kept a close check on my sows that winter. You'd have thought they were my own grandchildren the way I pampered them. After Jim gave me some tips, I drove to town and talked to Harry Blake, the feed dealer. He showed me a lot of figures from colleges and feeders . . . to prove I could get more pigs and healthier, heavier pigs. He told me why I couldn't get good, strong pigs without balancing my corn. So I said to myself, "What have I got to lose?"

I IMMEDIATELY began following their directions. I made sure those sows had plenty of clean, warm water and plenty of good bedding; then, I balanced my corn with the formula feed, especially mixed for bred sows, I bought from Harry Blake and I stuck to that feeding schedule all through the winter.

HONESTLY, I couldn't believe my eyes when those sows started farrowing. They all produced one or more extra pigs per litter than they had before. I weighed them all at birth. I had previously been getting pigs that weighed about a pound and a half, whereas these pigs were weighing about a pound more; and what's more, were a lot sturdier.

BUT, my biggest surprise resulted from "Follow-Through" feeding my spring pigs a balanced ration. While I had never liked keeping books before, I found it a lot of fun. I learned it took less than 400 pounds of feed for every 100 pounds of gain when I fed my grain with a balanced supplement. This was about half as much feed and I was saving about 6 bushels of corn for every 100 pounds of gain.

WELL, it's about time to feed those sows and I've rambled on long enough for the first time. Sarah, remember, she's "the boss," has some notes on "Starting Chicks" which she hopes you'll read next month. She's a better writer than I am, and I believe you will enjoy her story. If you would like to get those sows and fall pigs headed in the right direction, talk to your local feed dealer. And if you have any good feeding tips, drop me a line.

Sincerely,
Joe Barnes,
FEED INSTITUTE, INC.,
Des Moines, Iowa.

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Voice of the Farm

Can't Buy Corn At Market Price

To the Editor: We are pretty put out about sealed corn. We are in the market for corn, but everyone is sealing it.

Sure, those with plenty of corn would rather seal it for a high price than sell it to a small farmer for market price. And there are some who seal their corn and then buy cheap corn.

We didn't get as much corn per acre, due to the drouth, so we are short about 300 bushels. And we can't buy it from those who had a better crop or from a larger farmer. They seal—and we sit with not enough corn to finish our fall pigs.

Something should be done to help the small farmer. We have nothing against sealed corn if the regular demands of those in the market for corn are met first.—Mrs. M. L. Buresh, Howard County, Iowa.

If you had "extra" corn, would you sell it at the market price? —Editor.

No Worries About Social Security

To the Editor: We have found, after years of trial, that it has worked perfectly to put the young folks in a new small house and let the parents stay in the old home.

The young folks fully realize the years it took Dad and Mom to get the home farm paid for and the home made modern, and they gladly take the heavy end to let them stay in that home.

If you'll be happy in letting the young folks do their work in the new ways, they will stay by you, and Social Security will be the least of your thoughts in your old age.—Mrs. Clyde Owens, Taylor County, Iowa.

But some find it hard to sit back and "let the young folks do their work in the new ways." —Editor.

"Listen To Old Man," He Tells Sons

To the Editor: Can a father and son farm partnership work? Yes, if the son has enough good horse-sense to make it work.

Ninety per cent of the partnership's success will rest on the son. If he thinks he knows more about farming, and that he has better judgment than his father has, then the son had better try some other place.

Forty years ago, I rented my father's farm. Sure it worked. It made money for me and satisfied him. But his word was law. I sought and asked his advice from the start, because his judgment had been very good thru many years, and mine had not been tried.—D. H. Wahrenbrock, Lafayette County, Missouri.

But are all fathers better farmers than their sons?—Editor.

Blames Tractors For "Farm Problem"

To the Editor: The crux of the farm problem is this: Tractor farmers can not obtain parity prices, because they can't grow power and fuel on the farm. Therefore, they have no economic independence.

In 1910, a 100 per cent draft animal agriculture was 15 per cent tenant-operated. In 1938, with 48 per cent of the farms tractor powered, they were 41 per cent tenant-operated.

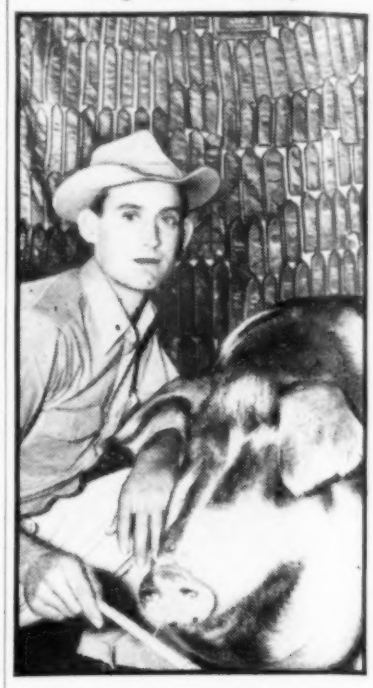
Forty years ago, the hired man expected to own a farm, and a good percentage of them made the grade. How many tenants now expect to pay for the land they operate?—T. A. Fletcher, Kendall County, Illinois.

There is something wrong with your figures. Tenancy percentage for U. S. was 37 per cent in 1910 (37.8 per cent in Iowa), only 31.7 per cent in 1945 (42.2 per cent in Iowa).—Editor.

New hog house on Jeff Morrison's farm, Jasper county, Iowa, is 24x44, has 14 individual pens. Lower windows on south side serve near pens, upper ones light far pens. Alley is 10 feet wide. House will get its first use when 14 or 15 sows farrow in January.

Over 500 Awards Won By Welch's On Their Hogs

Mother Makes Blankets of Awards, As Father & Son Bring Home So Many!



WALLY, PRIZE SOW, "RIBBON BLANKET"
Great Grandpa Started Something

LETCHER, S. D.—Blanket in photo above contains 292 show ribbons—only part of hundreds won by Welch family on their hogs! Took 23 Firsts, 2 Grands, 1 Reserve Championship at 1949 Sioux Empire and S. Dakota fairs.

* * *

Family's first show was in 1920, when father exhibited South Dakota's first registered spotted Poland China. Welch "spots" have shown every year since, except 1933. Son Wallace now runs farm. It keeps Wally humping! No wonder he eats Wheaties four days a week! Likes 'em with peaches and cream. Delicious combination!

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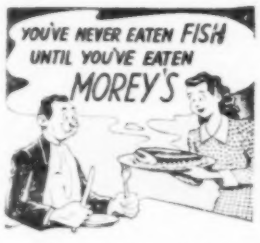

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Northern Pickerel, Dressed, Hdless	.25	12.00
Yellow Perch, Dressed, Hdless	.38	18.50
Yellow Bullheads, Dressed, Heads on	.33	16.00
Yellow Bullheads, Skinned, Dressed, Hdless	.37	18.00
Bullheads, Dressed, Hdless	.40	10.25
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John B. Meyers Co. • Waterloo, Iowa

Feed house for hogs on pasture saves time and a lot of hauling on the Charles Kennedy farm in Washington county, Iowa.

Hog Prices Near Low?

Here's how Iowa State College Economist Francis Kutish sees short-term prospects for farm prices (for a longer-range view into 1950, see page 24).

HOGS: Hog prices should be near their seasonal low. Hogs have been moving to market earlier this fall. This should mean an earlier than usual winter peak in hog sales. Hog runs may be easing off by Christmas this year instead of hitting their peak then.

CATTLE: The extreme high price for top cattle is on shaky ground. It won't take much more cattle to shake down top prices.

FEED GRAINS: Total supply of "free grain" (not under loan or purchase agreement) about equals that of a year ago. But we have more livestock. So there's less free grain per head. Corn prices are more likely to show a spring seasonal advance than a year ago.

SOYBEANS: Present prospects point to a sharp rise in soybean acreage next year. This means a strong spring-time demand for seed beans—enough to raise soybean prices by then. If you need bean seed for planting next spring, better line it up now.

EGGS: The new price support law permits egg supports to drop next year. They'll probably be around 10 to 15 per cent lower. And production will be large enough to push prices down to support levels by late winter.

DAIRY: Shrinking exports will release more milk for butter production. That means price supports will set the price Iowa farmers get for butterfat next year. But supports probably will be about the same as this year.

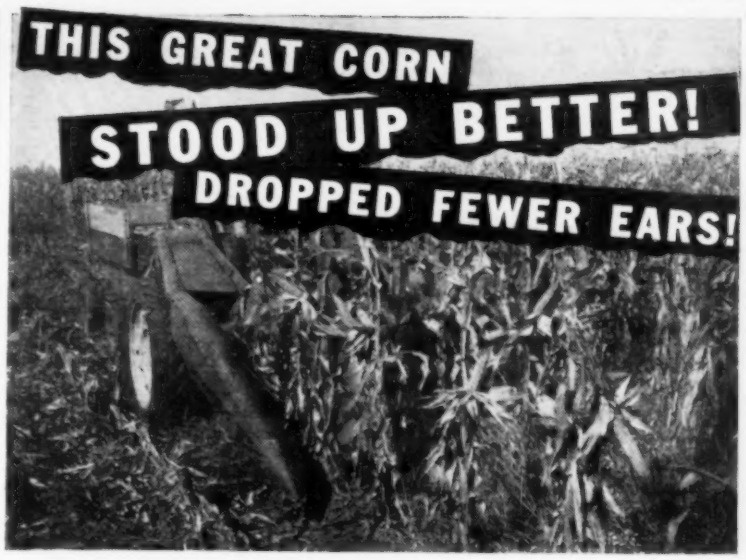
Fertilize Brome Now Or Next Spring

Either apply nitrogen fertilizer on brome grass sod before the plants die, or wait until next spring, says Darrel Metcalfe, Iowa State College.

He reports that 80 pounds of elemental nitrogen per acre on sod-bound brome has boosted seed yields as much as four times.

As a general rule, he advises from 40 to 60 pounds of actual nitrogen per acre.

If you want to make seed next year, he warns against pasturing or clipping next spring. Such treatment has lowered seed yields by from 30 to 50 per cent, he says.



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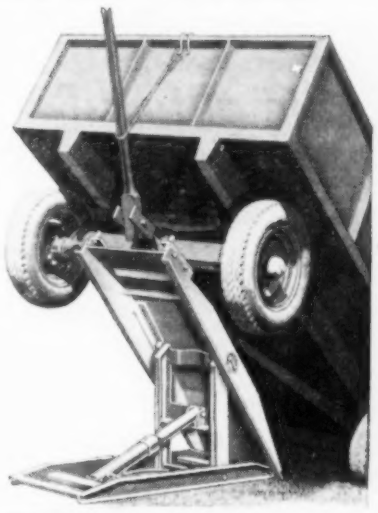

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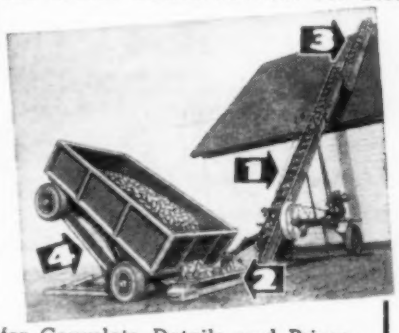

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2 Tilting Hopper . . . edge only 11" high, allows maximum body dump. Attaches or detaches to elevator in seconds.

3 Roof Extension Elevator . . . permits portable type to load into high bins. Powered through and attaches to upper end of elevator.

4 New Hydraulic Wagon Hoist . . . pump can be powered by elevator engine, making complete One Man Operation for storing grain and corn.

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Trapping Can Mean Fun And Profit

These Tips May Help Boost Your Winter's Catch Of Muskrat, Mink, Raccoon, Skunk

Here are tips from a trapping old-timer on how to catch Iowa's more common fur-bearing animals.

THREE of our common fur-bearers—muskrat, mink and raccoon—make their homes in the vicinity of lakes or streams. Since they spend a lot of time in the water, searching for food, traps to catch them should be placed either in the water or at its edge.

An ordinary No. 1 trap will hold a muskrat. But he'll often gnaw or twist off a foot if left very long in a trap. So special rat traps are on the market that either kill the animal or hold it in such a way that it can't twist off a foot.

When using ordinary traps for muskrat, you can solve the holding problem by arranging the set so the animal will drown. Weight of trap usually will accomplish this if the water is deep enough.

Since the No. 1½ trap is heavier than the No. 1, it will do a better job of drowning your catch. Also, the larger trap usually will hold a mink or coon if one of these animals happens along.

Muskrats often have spots where they slide down steep banks on return to the water from their feeding grounds. A good spot for a trap is in the shallow water at the foot of the "slide."

Wire your trap chain to a stake, and drive the stake the full length of the chain toward deep water. Drive a second stake between trap and deep water and about a foot from trap. Cover trap with mud.

When the rat is trapped, it will plunge toward deep water, and will wind up on the second stake. There, the weight of the trap will drown the animal.

Muskrats often travel thru shallow water along a steep bank. You can spot these routes by tracks and tail marks in the mud. Set your trap in the shallow water and wire the chain to a flat rock. Cover trap and rock with fine mud or wet leaves.

Large rocks or logs sticking out of the water make good places for muskrat traps. The rats like to climb out on such rocks or logs to rest. Traps are set on top of the rock or log and covered lightly with wet leaves or thin mud.

If muskrats are plentiful, you won't need bait sets. But if they are scarce, bait sets may be made by setting your trap in shallow water — not more than two inches deep—at the foot of a steep bank.

Cover the trap with wet leaves or mud. Then place a piece of apple or carrot on a sharpened stick which is stuck into the bank about a foot over the trap.

Either a No. 1 or No. 1½ trap will hold a mink, but the larger size is better. A coon is hard to hold, so nothing smaller than a No. 2 should be used.

You can make blind sets for mink or coon by wading along the bank until you find a drift, log or other obstruction at the edge of the water, which will force the animal to detour into the stream.

Set your trap where the animal enters the water, and cover with water-soaked leaves. Then wire

HIRED HAND HARLEY—They'd Be Clean, Anyhow

DO 10 hrs. WORK in 7 hrs.

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- Converts tractor to 9 speeds forward.
- Sacrifices no standard equipment.
- Gives forced lubrication to pilot bearing.

With the MW gear you still benefit by all the power of the standard forward speeds, and also can shift on up to approx. 6, 8, 10, 12 mph, in the field, enabling you to finish work days in advance of your neighbors. The MW gear **does not change road speeds** or interfere with any standard working capacities of tractor.

Location of MW gears in transmission.

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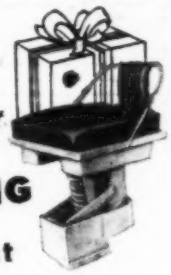

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TRAPPING DATES FOR IOWA

Mink and Muskrat: Starts noon Dec. 1, ends midnight Dec. 20 (except Big Wall Lake, where season ends midnight Dec. 7).

Badger, Raccoon, Opossum, Skunk, Civet: Started Nov. 10, ends midnight Jan. 10.

Weasel, Groundhog, Fox, Wolf, Coyote: No closed season.

Beaver: Starts noon Dec. 1, ends midnight Dec. 7 in these counties only: Allamakee, Boone, Buena Vista, Calhoun, Carroll, Cherokee, Clay, Clayton, Crawford, Delaware, Dickinson, Dubuque, Emmet, Fremont, Greene, Harrison, Humboldt, Ida, Jackson, Kossuth, Lyon, Mills, Monona, O'Brien, Osceola, Palo Alto, Plymouth, Pocahontas, Pottawattamie, Sac, Sioux, Webster, Woodbury.

Otter: No open season.

your trap chain to a flat rock on the stream side of the trap.

Stay in the water while making the set, and don't touch anything on the bank. Then wade some distance before leaving the water.

Hollow logs in or near the water may be used for bait sets to capture mink or raccoon. Place the trap in front of the log's open end. Fasten the chain to a flat rock and place this in the water at one side of the log. Cover trap and drag with wet leaves.

If the log is open at both ends, stop up one end or set a trap at each end. Sardines or fresh fish are placed back inside the log.

Good spots for catching land animals such as skunk, civet or opossum are harder to locate. But all three can be taken in the same kind of set.

Either a No. 1 or No. 1½ trap will hold a skunk, but the larger trap will get a better hold.

Skunks live in dens in bluffs or in abandoned woodchuck holes. A den being used for winter quarters makes a good place for a blind set.

Wire your trap chain to a drag of brush or a small pole. Place the trap in the den entrance and cover it lightly with fine leaves or grass. If you dig a bed for the trap back inside the den entrance, the trap will be protected from ice and snow.

Dens not being used for winter quarters make good locations for bait sets. Set traps as you would for a blind set and place the bait back inside the den. Good baits are half a squirrel, rabbit or fowl, or the skinned carcass of a skunk itself.

Bait sets for skunks also can be made by building cubbies or bait-houses in a field or woods. These bait-houses should be about two feet long, 18 inches high and a foot wide, made of rocks, logs or brush. Leave one end open and cover top with evergreen branches.

Wire your trap chain to a piece of brush and place this on the ground beside the bait-house. Set your trap back inside the open end of the house, and cover it lightly with leaves or grass. Bait is placed beyond the trap.

Hollow trees or logs also are good places for bait sets. The trap is set back inside the hollow, with the chain stapled to the outside. The trap is covered with leaves, and bait is placed beyond the trap.

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This nourishing whey solids supplement is your most economical source of milk nutrients, because you **get more solids for your money.** It's the solids that count! You get **additional growth factors** present in natural milk sources, through the **addition of Ribolac**, exclusive Peebles' whey fermentation product.

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***Ribolac,** exclusive Western Condensing Company whey fermentation product—added to provide a guaranteed level of Riboflavin—plus other B-Complex vitamins as well as additional growth factors (both known and unknown) present in natural milk sources.

50 and 100-lb. drums, easy to cut in half, for FREE-CHOICE feeding. Pigrow packed in 50-lb. bags.

Peebles' *Condensed* WHEY-PRODUCT with Ribolac*

Peebles' Pigrow with Ribolac*

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NOW... the PULVERIZER that SMASHES ALL the STALKS

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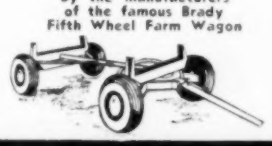
Only the Brady Corn Stalk Pulverizer smashes ALL the stalks . . . standing up and lying down . . . in the rows and **between** the rows. With the Brady Pulverizer you can actually turn stalks under **without** discing. Case-hardened steel chains whirl on an 80-inch drum at 1700 R.P.M. Cover two rows and half the space to the next row on each side. Highest kill on borer larvae. Better shredding builds up your soil. The perfect preparation for clean plowing. Saves you time. Makes you money. Does a BETTER pulverizing job. Today, mail the coupon. Get all the facts on what this better Brady Pulverizer can do for you.

By the manufacturers of the famous Brady Fifth Wheel Farm Wagon



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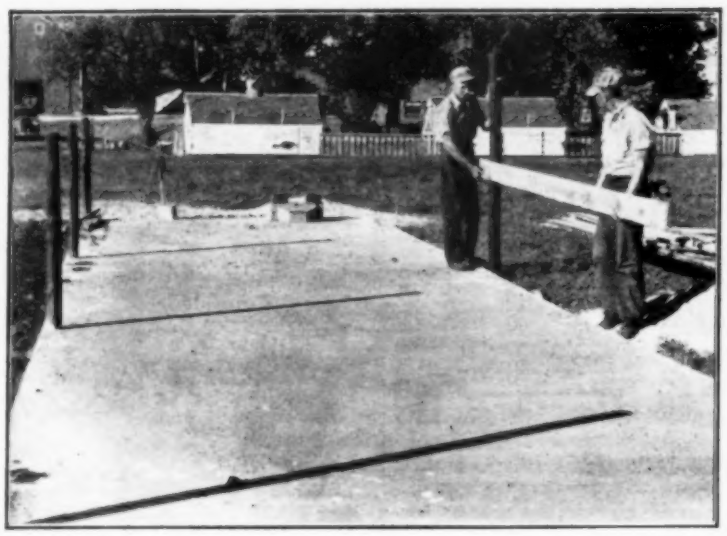

Winter feeding floor for fall pigs has been laid by Dayle Risse (right), Hardin county, Iowa. Four hog houses with sows and 85 pigs will be lined up along one side of the floor, facing south. Here, Risse and a helper are putting up board fence around the floor.

Catch-Crop Boosts Corn Yield

A sweet clover catch crop in a corn-oats ration added six bushels per acre to corn yields in a test made at Iowa State College.

Where the rotation was corn-oats only, corn averaged 68 bushels per acre over a four-year period. When a sweet clover catch crop was grown in the rotation, corn averaged 74 bushels to the acre.

Test Soybean Oil For Calves

Skim-milk plus hydrogenated soybean oil meal gave growth equal to whole milk in young dairy calves in tests at Iowa State College.

On the fourth day following birth, test calves were transferred to the experimental milk and fed twice a day. Daily ration was 10 pounds of the mix per 100 pounds of body weight.

The soybean oil and skim-milk were homogenized before feeding. The calves got mineral supplement plus Vitamin A and D capsules.

Calves fed the hydrogenated oil did much better than others fed crude expeller soybean oil.

Purdue Tests New Fly-Killer

Lindane, the 99 per cent gamma benzene hexachloride compound, is a promising newcomer to the insecticides needed by dairymen, food manufacturers and vegetable crop growers, say entomologists at Purdue University.

Tests in 1949 demonstrated its value against flies around dairy barns, canning factories and garbage cans.

New Culture May Lick Mastitis

Nisin, an antibiotic culture derived from sour milk bacteria, may be useful in eliminating mastitis, according to Prof. Hugo H. Sommer, University of Wisconsin.

Sommer was a delegate to the World Dairy Congress last summer, in Stockholm, Sweden. He reports that the nisin developed in England is diluted in oil, with a cubic centimeter injected into each quarter. This treatment was 95 per cent successful in eliminating mastitis infection.

He says he is convinced the new product should be thoroly investigated by United States veterinarians and dairymen.

Complete Rations Boost Gains

Further proof that complete rations speed up pig gains is furnished by results of feeding tests at the new Fort Dodge experimental farm of the Vitamized Feed Company, headed by Dr. J. R. McDonald.

Results on five of 14 test lots have been announced. These five compared a basic ration of corn and oats with more complete rations, including APF, standard supplements and the company's mineral mixture, Vy-Tab-O-Lator.

Pigs on a ration of corn, oats, minerals and APF, and those on a ration of corn, oats, minerals, soybean meal and tankage outgained pigs on the basic ration by half a pound per day.

The feed costs per 100 pounds of gain were somewhat higher for both lots getting more complete rations. In actual practice, however, pigs getting minerals and supplements probably would have been sold enough earlier than corn-and-oats pigs to more than pay the difference.

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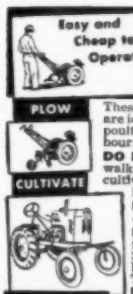

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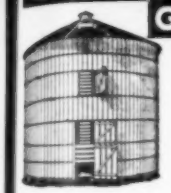

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Sharp Drop In Corn Yield

The November estimate on the United States corn crop is for a yield of 39 bushels per acre and a total yield of 3,357,618,000 bushels.

The Iowa corn crop estimate is set at 49 bushels per acre and a total of 540,911,000 bushels.

The November estimate for the nation is almost four bushels per acre below the record yield in 1948. In bushels, the 1949 crop is about 300 million below 1948.

For Iowa, the November estimate is four bushels per acre below last month's estimate and 12 bushels per acre under the 1948 yield. In bushels, the Iowa crop is about 45 million below the estimate a month ago and about 126 million bushels below last year.

On the basis of the November estimate, the national corn crop is the second largest on record. The Iowa crop is the fifth largest on record. The crops of 1942, 1943, 1944 and 1946 were larger.

The soybean crop estimate for the nation is 215,222,000 bushels, which is about five million above the 1948 crop. The Iowa soybean crop is estimated at 29,362,000 bushels, more than six million bushels below last year.

Gleaners Miss One Bushel In Four

Picking up corn doesn't recover all the loss, according to tests run by agricultural engineers at Iowa State College. Here is the method and the result:

They used three-man crews with one man on the tractor and two men picking up. They took four rows each time across the field and found only 72 per cent of the ears that were down. In other words, they missed more than one bushel in every four.

Check-up teams went into the fields behind the pick-up crews and raked and grubbed up the remaining 28 per cent to get the total figure.

Figuring three to a pick-up crew, the men were able to put three bushels of corn per man in the wagon for every hour they were in the field.

FEEDER CATTLE shipments into Iowa during October were the heaviest for that month in the 16 years of record. Total at 386,561 head is 53 per cent above October, 1948. Combined total for July-October is 871,804 head, 59 per cent above 1948 and also the heaviest of record. October sheep and lamb inshipments were up 25 per cent, but the July-October total was up only 9 per cent.

"I must've made a bad mistake somewhere in building my pond."

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RIGHT LOAN IS IMPORTANT

Getting the RIGHT loan on your farm NOW may be the most important factor in your FUTURE success and security.

Now is the time to get your Federal Land Bank Loan through your local

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9. *How long a time do I have for paying a Federal Land Bank loan?*
The Federal Land Bank loan made on the Standard plan runs for 34½ years. On other plans of payment, it may run for 10 to 40 years. Examples of payment plans are given on later pages.

10. *Does my loan ever have to be renewed?*
No. Land Bank loans are amortized so that some of the principal is paid with each installment. The loan never comes due in a lump sum so there is no need for a renewal.

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You may pay up your Land Bank loan just as fast as your income permits. You may pay it in full at any time from your income—with no penalty or prepayment charges.

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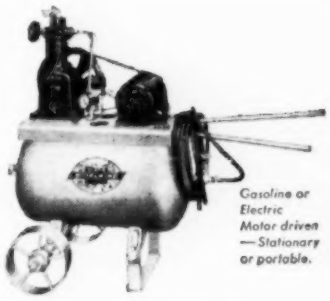

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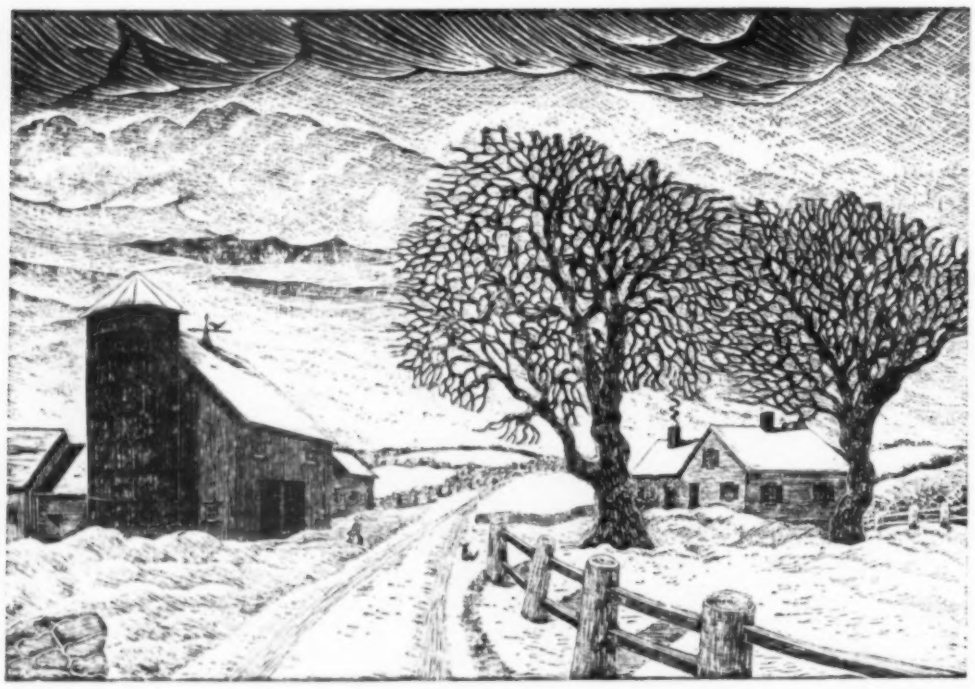

Thanksgiving Is A Family Day

"IT DOESN'T seem like Thanksgiving dinner to us," said Mrs. Elston Danielson, Hamilton county, Iowa, "unless there are 20 or 25 people." Like Christmas, Thanksgiving there is a family day. Friends and relatives gather for one big dinner. The woman to whose home they come will prepare all the food. Next time, it will be at another home.

It's quite right that Thanksgiving Day should mean a celebration in terms of food to most Americans. After all, the first Thanksgiving Day was celebrated because the Pilgrims were thankful for a bountiful harvest.

We continue to celebrate the day because, even in our abundance, we are still thankful for much the same things—for food, for family and for friends.

How is the best way to cook a turkey? This question was put to Mrs. Jesse Broer, of Hardin county, Iowa.

"I do it different than some," she explained. "I don't stuff the turkey until after it is partly cooked."

This is her method: First, rub the turkey with a bland lard. Then salt, inside and out. (This may be done the night before.) Next, cook the bird for one to one and a half hours, to get it heated all thru. Then it's ready for the dressing.

"If dressing is put in at first," said Mrs. Broer, "seems like it takes forever to heat thru—especially if it's a big bird."

She likes a dressing seasoned with sage and onion. Moisten the dressing with broth from the first cooking period. Add cream and milk until it is as moist as desired. If you like the heart and gizzard, cook these in a pressure pan, cut up, and add to the dressing.

Then stuff the hot bird with this dressing. There should be some left over to cook in the roaster with the turkey. Cover the bird's legs with it. That will keep them moist, and prevent overcooking.

Midway in the cooking period (after the bird is browned), cover it with a cheesecloth and moisten with melted butter. Mrs. Broer cooks hers in an electric roaster; But, even in a regular oven, she would keep the lid on the roaster.

That confines the steam and makes for a moister product. A common criticism of turkey is that it's apt to be too dry.

In the Norwegian community in Hamilton county where Mrs. Ralph Olsen lives, the table is loaded with food. "There's usually so much you can eat only a little of each," was her comment.

For vegetables, she named mashed potatoes, candied sweet potatoes and also buttered frozen peas. "They give a little color to the table," she said.

"And many families buy frozen broccoli. It goes well for a vegetable, because the rest of the food is pretty heavy. They may use it and peas, both, or just one."

For relishes, she listed celery, carrot strips, cucumber and other pickles, and olives. "Oh, yes," and cranberries," she added. "Don't miss them." They're usually cooked as thick, well-sweetened sauce.

"Always, we have fruit salad," said Mrs. Olsen. Her salad is made up of fresh fruits—apples, bananas, grapes, oranges, or perhaps canned fruit cocktail, with nutmeats if you like. Cut them up together and mix with whipped cream (no salad dressing).

All agree on the dessert. It's pie—pumpkin or mince-meat. "One or the other," said Mrs. Danielson. Mrs. Olsen would have both!

If you'd like pumpkin pie with a rich brown color, here's the recipe Mrs. Olsen uses:

One and a half cups rich milk, 1½ cups pumpkin, 2 eggs, ½ cup granulated sugar (caramelize 2 tablespoons of this; the resulting "burnt sugar" helps give the dark color), ½ cup brown sugar, 1 teaspoon cinnamon, ½ teaspoon ginger, ¼ teaspoon cloves, ½ teaspoon salt.

Like pumpkin, there's a lot of variety in mince-meat pies, according to the filling. Here's a tested recipe:

One cup beef (cooked without water in top of double boiler), 1 pound suet, 2 pounds pared and cored apples. Grind all the above together.

One and a half pounds sugar, 1½ pounds currants, 2½ pounds raisins (grind about half the raisins, leave the rest whole to give more substance to the filling), ½ pound mixed candied peel, 1½ lemons (use both grated rind and juice).

Season with ½ teaspoon each of nutmeg, cinnamon, ginger, cloves and allspice. Salt to taste. Mix thoroly.

This filling requires no cooking until put into the pie. It will keep for a long time if refrigerated or frozen.

Mrs. Danielson suggests a date roll as a dessert preferred by children. Here's her recipe:

Cut up 1 pound dates and ½ pound marshmallows. Add juice of 2 oranges—nutmeats, too, if desired. Crumble 16 to 20 graham crackers, holding back a little. Combine rest with dates and marshmallows. Roll this in remaining dry cracker crumbs. Chill in refrigerator 24 hours. Serve in slices, with whipped cream.

Homemade rolls are a must. Many use the recipe of Mrs. Dwayne Hill, also of Hamilton county:

Scald 2 cups milk and pour over the following: ½ cup each sugar and shortening. Cool until lukewarm. Add ½ cup mashed potatoes and 1 cake yeast softened in ½ cup lukewarm water, and mix.

Sift 7 cups flour (no more) with 1 teaspoon salt, ½ teaspoon soda and 2 tablespoons baking powder. Add to liquid. Beat and mix well. Let rise till double in bulk. Work down, cover and put in refrigerator.

Form into balls at once upon taking from refrigerator. Dough is very sticky, so is hard to handle if allowed to warm.

Thankful On December 12, 1844

At the request of many of my fellow citizens, I have deemed it proper to recommend that Thursday, the 12th of December next, be observed throughout the Territory, as a day of general Thanksgiving to Almighty God for the many and great blessings we enjoy as a people and individually, and of prayer and supplication for the continuance of His mercy and goodness toward us: and for the prosperity, happiness and ultimate salvation of the American people.

We are told that "righteousness exalteth a nation" and are taught by Divine Authority that the voice of thanksgiving and prayer is acceptable to our Father in Heaven. Let us then, on the day designated, unite our voices, in the humble hope that they will reach the Throne of Grace and obtain for us a continuation and increase of blessings.

Signed:

JOHN CHAMBERS, Governor.
S. J. BURR, Secretary of Iowa Territory.

First Thanksgiving In December

Iowans Enjoyed Thanksgiving In 1844, But The Governor Didn't Pick November Date

IN 1844, more than a hundred years ago, John Chambers, governor of Iowa Territory, drafted a suitable manifesto to proclaim the first official Thanksgiving in the territory.

Iowans had much to be thankful for. They had their share of schools and churches. Good weather had smiled on them in 1844, and shocks of long-eared corn thickly dotted the ground.

Summer prairie hay was cut, dried and stored for winter; outside caves were filled with potatoes, and every summer crop that could be conveniently stored was saved.

Rye coffee had been gathered and dried for winter, and the first trees planted for fruit in this new land were beginning to prove their worth.

Cabin walls were plastered for warmth and oiled papers protected window openings. Almost every cabin had a plank door and smooth split-hickory floors.

Pyramids of wood were stacked close to the house for warmth in winter, and corn had been taken to the mill for grinding.

Steamboats were plying the Mississippi, while smaller boats were navigating the Des Moines and Cedar rivers. Stage coaches and mails were seen with some regularity in the larger towns, and many luxuries were finding their way to the prairie towns.

Even entertainment was improving. Besides regular lyceum meetings, now and then a group of traveling musicians brightened the recreation of large towns.

Iowa was growing, and editors of that time likened the Iowa prairies to the Garden of Eden.

At the time Iowans celebrated their first Thanksgiving Day, this holiday was not generally observed thruout the nation. Neither was there any uniformity as to the date.

George Washington had proclaimed November 26 as a day of thanksgiving in 1789. This was a day set aside for prayer and thanks for successfully launching the new government of the thirteen colonies.

Then, too, John Adams named May 9, 1798, as a day set apart for thankfulness of the improvement of relations with France.

History tells us that President Madison urged people thruout America to offer up prayers of thanksgiving for the speedy conclusion of war on January 12, 1815.

Mrs. Sarah J. Hole, literary editor of Godey's Lady's Book, really led the crusade for a day set aside each year for America to give thanks for its abundance, a revival of the New England festival on the last Thursday in December.

It was her influence, combined with the heartfelt thanks of Iowa pioneers, that led to the proclamation of Governor Chambers for a day of thanksgiving in Iowa.

The earliest record of our pioneers celebrating Thanksgiving is found in the Bloomington Herald. It announced a religious service to precede a "down-east" Thanksgiving, to be held in the schoolroom on November 19, 1844.

In 1844, the larger settlements took on the aspects of a holiday. Burlington probably had the biggest celebration. Stores closed and a large community all-day gathering was held at one of the churches, with suitable services.

However, the Iowa City Capital Reporter reprimanded some of the Burlington citizens for a misuse of the holiday, as some men there spent the day hunting deer and prairie chickens in the Mississippi bottoms, and finished off by celebrating at the City Hotel ball held that evening.

The year 1844 was a good one for beginning a Thanksgiving observance. J. D. Armstrong, of the Iowa Capital Reporter, gave this opinion to the Iowa City readers:

"For the last ten days, we have had first-rate weather. The snow averages 12 inches in depth, sleighing is fun, and we have fair prospects of a merry winter and prosperous courtships." — Helen Virden, Henry County, Iowa.

Idea for Thanksgiving
pumpkin-pineapple pie
and rich, satisfying **coffee**

To wind up a wonderful feast—add new zest, with pineapple, to good old pumpkin pie—and enjoy the familiar, pleasing flavor of Hills Bros. Coffee. It's a distinguished blend of the world's finest coffees—and "Controlled Roasting," an exclusive Hills Bros. process, roasts the blend *a little at a time*—continuously—to insure an even roast of every coffee bean—none overdone, none underdone. Hills Bros. Coffee is vacuum-packed for flavor-freshness.

PUMPKIN-PINEAPPLE PIE

1 envelope unflavored gelatin
¼ cup cold water
1 cup cooked or canned pumpkin
2 beaten egg yolks
½ cup sugar
½ teaspoon salt
1 cup crushed pineapple (9-oz. can)
Piecrust mix
½ cup heavy cream
Candied cherries or nutmeats

Soften gelatin in cold water. Heat pumpkin in top of double boiler. Mix beaten egg yolks with ¼ cup sugar, add salt, crushed pineapple with juice, stir into the pumpkin. Stir over boiling water 3 minutes. Add gelatin, beat until well blended, chill until syrupy. Beat egg whites, fold in ¼ cup sugar and then fold in the pumpkin mixture. Pour into 9-inch baked pie shell or into pan lined with crumb (corn flake or graham cracker) pastry. Chill until firm and garnish with whipped cream and candied cherries or nutmeats.

Serve with Hills Bros. Coffee

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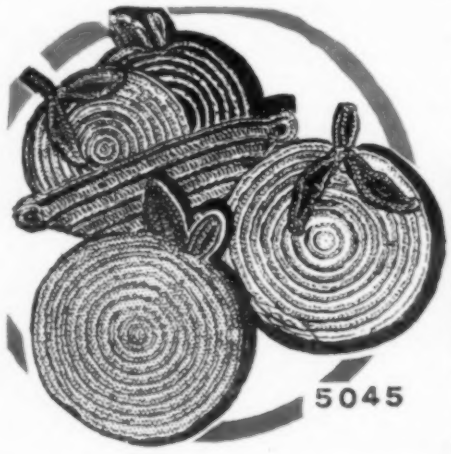
Des Moines, Iowa

Practical Gifts

Here is a group of needlework designs that will provide pleasure in the making and will bring joy to the receiver.



No. 5045 — Easy to crochet, these gay pot-holders look as if they had just been picked from the tree. Simple stitches, bright colors and clear directions make fast work of the pot-holders and basket.

No. R-2667—Worked in black and white, these look like etchings. Gay colors make attractive pillow-tops. Hot-iron transfers for four motifs—two 6½x9½ and two 5x7 inches.

No. R-2892 — This cute bunny slipper is especially planned to be worn over "feet-in" pajamas, and is adjustable to three sizes. Easy to make of felt, the slipper is cut in just one piece. Comes in sizes 4 thru 11.

No. R-2885—Perfect take-to-bed toy is crocheted of soft wool. Made in simple loop stitch. Teddy is stuffed with cotton or old nylon stockings, which dry like a flash and make the toy entirely washable. Crocheting directions, illustrations and requirements.

No. 5984 — Crochet these delightful garden-party pin-cushion hats with little more than a flash of your crochet hook. Measuring 5½ inches in diameter, they are made of pink and blue cotton, ribbon and flower trimmed. Wonderful bazaar bait or shower gifts de luxe.

Designs are 20c each, in coin or stamps—coin preferred. The New Fall and Winter FASHION Book is 25c. Send orders to the Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION—Always give your name and address when writing.

COUNTRY AIR

By ELIZABETH C. WHERRY

AT THIS time of year, our thoughts turn to thankfulness. We think of something quite material—such as good harvests, warm shelter, food, family and friends.

* * *

But sometimes I feel tremendously grateful for an idea—for something that somebody else has said. Perhaps the idea is one I've had floating around in my mind but hadn't nailed down with words.

* * *

Perhaps it's a brand-new idea that starts me thinking about something from an entirely new angle. There are a few of these ideas I am thankful to have met—that I've been saving to share with you.

* * *

What does this idea do to your thinking? "The present is but a surface eddy of that past to which we belong."

* * *

My first reaction was in regard to human history. The brief span of our present is certainly a mere surface eddy on all of the depths of the past that molded the world we live in.

* * *

Kings and queens, wars, trade caravans, dark ages, bright decades, churches, schools are in that past.

* * *

Advances in science, medicines and machines, the variety we have because of commerce, are merely eddies of the present that will ripple out to nothingness to make way for new eddies and for new presents.

* * *

This idea bobbed into my mind again as I drove past a fall-plowed field west of Ames, Iowa. The upturned black soil was the product of all sorts of 65-cent geological terms that had very little to do with human past.

* * *

If ever the present is an eddy on the broad surface of the past, it is in relation to Mother Earth which sustains us all.

* * *

That black soil is the product of so much of the past that it seems almost irreverent to manipulate it thoughtlessly for our present needs.

At home, I looked at a bin of freshly shelled corn — hybridized in the very recent past to a high degree of usefulness. I thought of the early "corn," with the ear at the top of the stalk like wheat, and of all the ages of evolution which brought that grass and its grain to the stage of being food. And the ever-widening eddy that hybridization created.

* * *

We become so involved in all the wonders of the age of machines, chemistry and physics that we forget all these principles have lain dormant in the past—waiting for someone to start eddies on the surface of the present with them.

* * *

We could go on and on—endlessly finding eddies to investigate. Oh, well—— But there are other bits I have to share with you.

* * *

What about this one? "Truth is a fossil—the outgrown shell of a human nautilus."

* * *

I wonder if that applies only to scientific discoveries — such as "The earth isn't flat, but round." Or that tomatoes are necessary to our good health and not poisonous "love-apples."

* * *

If truth is fluid—so is time. When a woman spoke up with a perennial bad temper about the conduct of "this younger generation," she was answered with: "Youth doesn't change, but age does."

* * *

Youth always breaks rules, always flouts tradition, is "forever panting and forever young." Age? Well, age certainly isn't like it was in youth.

* * *

And one last bit: "Nothing so rare as reverence should be destroyed."

* * *

Perhaps that is why religions different from my own do not disturb me. Or why reverence before nature, intellect, sacrifice or death stirs one so deeply. It has the right to last.

* * *

Yes, we may be thankful for ideas. And that we live in a land where we may accept or reject ideas. Or merely have them to think about.

Order Your Christmas Cards Now

As the Christmas season draws near, there are hundreds of friends to whom we'd like to send gifts. That's not possible or practical. Chances are that we won't find the time to write Christmas letters to these friends. But we can send Christmas cards.

Christmas greetings are as old as the season itself. Yet they are as much a part of the busy modern world as the latest invention. And they are gifts that everyone can afford.

If you order your Christmas cards now, you will have time to write those personal notes in them. You can stamp them and have them ready to mail before the Christmas rush.

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A WINNING COMBINATION!

MRS. BERTHA SCHUSTER, whose pumpkin pie won a Blue Ribbon at the 1948 Kansas Free Fair, makes up her own recipes. And she finds her prize-winning pies taste even better with Folger's!

BLUE RIBBON PUMPKIN PIE

2 eggs
1 cup canned pumpkin
¾ cup sugar
⅓ tsp. cinnamon
⅓ tsp. ginger
⅓ tsp. vanilla
¼ tsp. salt
1½ cups milk

FOR PIE CRUST
1 cup flour
1 heaping tbsp. lard
⅓ tsp. salt

Bake very slowly

Mountain Grown Folger's Coffee Has a Flavor Beyond Compare

Folger's is a special kind of coffee . . . Mountain Grown, with a rare, winey tang and a rich, vigorous flavor that is completely individual. Its full-bodied, hearty goodness adds extra enjoyment to everything you serve. Great-grandmother probably gave her family delicious Folger's Coffee, too . . . because for nearly 100 years, this superior Mountain Grown coffee with the distinctive flavor has been preferred by those who know and love good coffee.

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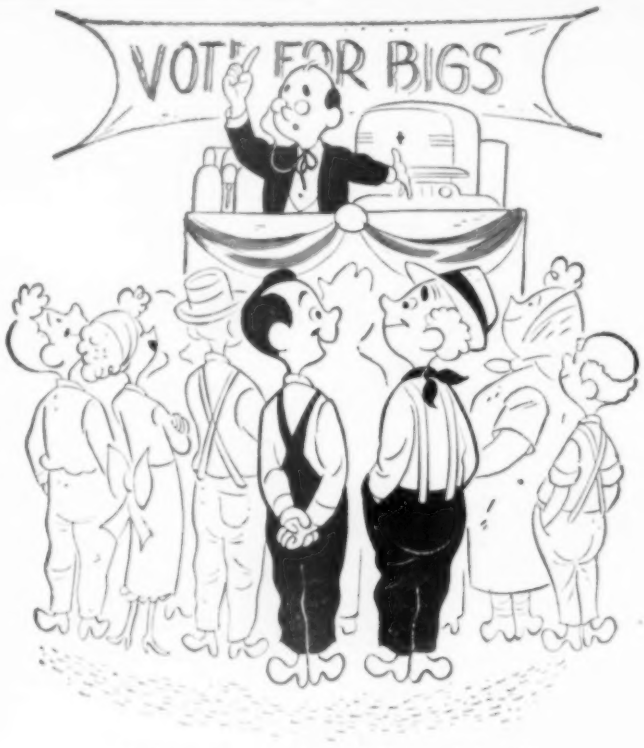
THERE'S A MOUNTAIN OF FLAVOR IN EVERY SPOONFUL!



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Skelgas

When Skelgas comes into your home, you know the real meaning of modern living. For mere pennies a day, Skelgas brings you speed cooking, automatic hot water service, dependable refrigeration. See *your* Skelgas dealer today.

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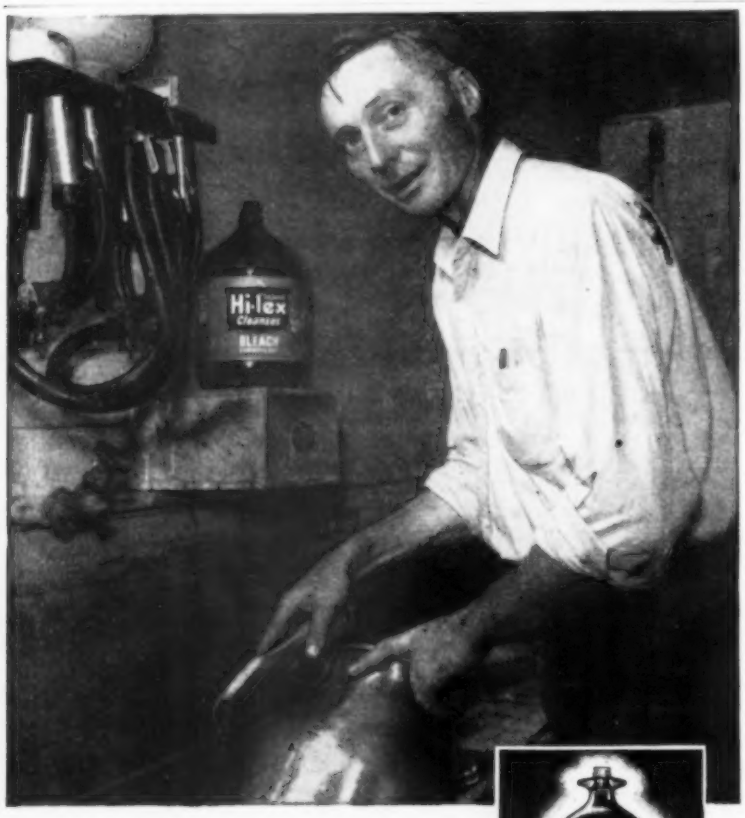

Hi-lex helps keep my milking equipment spotless, sanitary

says South Dakota Dairyman

"I'm all for Hi-lex when it comes to dairy upkeep," says Melvin Benson, R.R. #2, Sioux Falls, S. D. "It takes only one cup of Hi-lex to make eight gallons of effective disinfectant—and that's a real saving. My 40-head dairy has been producing grade "A" milk right along for years."

BUY Hi-lex . . . BUY THE GALLON . . . BUY THE CASE

"That's my brother," says Thomas proudly of two-month-old Donald. They are the children of Mr. and Mrs. Richard Davis, of Poweshiek county, Iowa.

COOKERY CORNER

INDIAN CORN

½ to 1 cup cubed smoked ham
2 tablespoons fat
1 No. 2 can cream style corn
2 beaten eggs
Salt and pepper to taste

Brown ham in fat. Add corn, seasonings and eggs. Mix well. Cook over low heat, stirring constantly, until eggs are set. Serves six.—Miss Myrtle Odland, Wright County, Iowa.

ROYAL STUFFED ONIONS

4 large Bermuda onions
1 cup day-old bread crumbs
½ cup grated American cheese
1 tablespoon melted butter
⅛ teaspoon pepper
1 well-beaten egg
4 teaspoons cream
1 cup well-seasoned white sauce

Cook onions in boiling, salted water until almost tender—about 20 minutes. Drain. Remove centers, chop, add crumbs, cheese, butter, seasonings and egg. Mix well. Fill onions. Sprinkle with additional cheese. Add one teaspoon cream to each onion. Place in a shallow baking dish and bake in a moderate oven for 40 minutes. Serve hot with well-seasoned cream sauce. — Miss Mytrle Odland, Wright County, Iowa.

MOCK STRAWBERRIES

(For Shortcakes)

Grind one cup of cranberries and one cup of cored but unpeeled apples thru the food grinder; then mix with one small can of crushed pineapple and one cup of sugar. Mix these all together and let stand for two hours.

This is one of those recipes that can be mixed up on Saturday for Sunday dinner. Use on your favorite shortcake as you would strawberries. — Mrs. Fred Kraft, Hancock County, Iowa.

CRUMB CAKE

Mix together three cups flour, one cup shortening and one cup brown sugar until they form crumbs. Set aside one cup of the crumbs. Add to the rest two eggs, another cup of brown sugar, two small teaspoons baking soda, one teaspoon baking powder, one teaspoon each of cloves, cinnamon, allspice and nutmeg, and two-thirds cup sour milk.

Pour into shallow, greased and floured pans and sprinkle the top of each with the reserved crumbs. This makes two or three pans, according to size of pans. Bake 25 minutes at 350 degrees. Then see how long you can keep your family away from them.—Mrs. Dan E. Miller, Washington County, Iowa.

WALNUT COOKIES

1 cup butter
½ cup powdered sugar
2 cups flour
1 teaspoon vanilla

Cream butter and sugar. Add flour and vanilla. Press in 10x13-inch pan and bake 20 minutes in a 350-degree oven.

4 eggs
½ teaspoon salt
2 cups brown sugar
2 cups chopped nutmeats
1 cup coconut
4 tablespoons flour
1 teaspoon baking powder
1 teaspoon vanilla

Beat eggs, add dry ingredients—which have been mixed—and vanilla. Spread over first mixture and bake 20 minutes in a 350-degree oven. Cool and cut into small squares.—Mrs. Herbert L. Andrews, Buena Vista County, Iowa.

PEACH PECAN PIE

1 cup sugar
3 tablespoons flour
2 tablespoons cornstarch
2 tablespoons orange juice
2 tablespoons butter
¼ cup pecan nutmeats, chopped
2 cups sliced peaches
½ recipe plain pastry
1 tablespoon grated orange rind

Mix sugar, flour and cornstarch; add orange juice and butter; cook over low heat until thick. Remove from heat; add orange rind, nutmeats and peaches. Pour into a nine-inch pastry-lined pan. Bake in 450-degree oven for 10 minutes, then in 325-degree oven 30 minutes. Serve with whipped cream if desired.

Winter Frocks

No. 8404—Here's a clever little date dress for juniors—general wear, too—with demure collar, puffed sleeves. Sizes 11, 12, 13, 14, 16 and 18.

No. 8531—Simple yet extremely smart day-timer, with slanted closing. Choice of sleeve lengths. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 1741—Soft shoulder tucks and hip treatment give a feminine air to this graceful afternoon style. Sizes 34, 36, 38, 40, 42, 44, 46 and 48.

No. 1854—Smooth foundation under pretty winter frocks—nicely tailored slip and panty set. Sizes 36, 38, 40, 42, 44, 46, 48, 50 and 52.

No. 8118—These cute little clothes for small fry are so easy to sew. Trim with narrow ruffling, slip with tiny lace. Sizes 6 months, 1, 2 and 3 years.

Patterns are 25c each, in coin or stamps—coin preferred. The New Winter and Spring FASHION Book is also 25c. Order from Pattern Dept., Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION—Give your name and address when writing.

Try this new way to faster, easier baking. Red Star Dry Yeast keeps fresh for months—right on the pantry shelf. It's always ready when you need it.

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FRESH FROZEN
QUALITY GUARANTEED

	100 lbs.	50 lbs.	25 lbs.
Bluefin Herring	$ 8.50	$ 4.50	$ 2.50
Northern Pike	12.00	6.25	3.35
Baby Pike, Dressed, Hdls.	17.50	9.00	4.75
No. 1 Walleyed Pike	23.50	12.00	6.25
Halibut, Headless, Dressed	35.00	17.75	9.15
Salmon, Headless, Dressed	34.50	17.50	9.00
Sablefish, Hdls., Dressed	22.50	11.50	6.00
Whitefish, No. 1, Dressed	28.50	14.50	7.50
Green Bay Smelt	11.50	6.00	
Large Texas Shrimp	70.00	35.25	18.00
Perch, Scaled, Drsd., Hdls.	35.50	18.00	
Prepared Lutefisk, Fancy	19.50	10.00	5.25

CELLO WRAPPED FROZEN BONELESS FILLETS

	100 lbs.	50 lbs.	20 lbs.
Rosefish Fillets	$27.50	$14.00	$ 5.80
Codfish Fillets	27.50	14.00	5.80
Haddock Fillets	31.50	16.00	6.60
Northern Pike Fillets	31.50	16.00	6.60
Baby Pike Fillets	38.50	19.50	8.00
Walleyed Pike Fillets	51.50	26.00	10.60
Salt Lake Herring	16.00	9.10	3.90
Salt Norway Herring	18.50	9.35	4.10
Salt Mixed Holland Herring	15.40	8.25	3.90
Salt Milkers Holland Herring	16.50	8.80	4.15
Salt Mackerel Fillets	27.50	14.75	6.20
Canned Oil Sardines	Case 100 cans		$11.00
Canned Mustard Sardines	Case 100 cans		9.00
Prince Olav Sardines	Case 100 cans		22.50
King Oscar Sardines	Case 50 cans		14.00
Smoked Salmon Chunks	10 lb. carton		$ 5.40
Smoked Bluefins	10 lb. carton		2.15
Smoked Fat Lake Chubs	10 lb. carton		4.50
Smoked Sable Chunks	5 lb. carton		2.35

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PANCAKE FLOUR
Perfect FOR WAFFLES AND MUFFINS
CRETE MILLS • CRETE, NEBR.

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FOR PARTICULAR FISH EATERS

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SMELTS—Famous, large	25 lb.	3.50
CATFISH STEAKS—Delightful	25 lb.	12.00
BONELESS OCEAN PERCH	10 lb.	2.75
PIKE—Scld., hdls., drsd.	50 lb.	12.50
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BULLHEADS—Large, blued red	50 lb.	16.00

Deduct 1c per lb. for orders of 100 lbs. or more.
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SEEDS FREE
Bears Up to Double Ordinary Kinds
Hybrid vigor makes the plants grow faster, bear earlier and for a longer season. Better quality too!
Smooth, Round, Scarlet-Red and Delicious
Thick-meated heavy fruits (½lb. or more each), outstanding in quality and rich flavor, wonderful for salads, canning and every family use—profitable to grow for market. Excels on stakes or grown naturally. Offer good for limited time only—send stamp for postage and we'll mail you 10 seeds FREE. Or, to have more plants: 30 seeds 35c; 100 seeds $1.
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Do you suffer heartburn after meals?...feel logy? ...uncomfortable? Then read this heartening letter from a woman who found her way to *better digestion* and *better health:*

"Before switching to POSTUM, I suffered both indigestion and nervousness... But now my nerves are quieted and my digestion much improved. No more upset stomach after drinking POSTUM!"

SCIENTIFIC FACTS: Both coffee and tea contain caffein, and caffein is a drug which in many persons tends to produce *harmful stomach acidity,* as well as *nervousness* and *sleepless nights.* So while many people can drink coffee or tea without ill-effect, others *can't*—and this may mean YOU!

MAKE THIS TEST: Give up coffee—give up tea—drink POSTUM exclusively for 30 days—and judge by results! Remember: POSTUM contains no caffein or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

"When there's a rip or a tear Pelican Susie's right there!"

This fascinating practical sewing compact saves time—everything's right at your fingertips. Complete with genuine 7" Kleencut scissors, thimble, tape measure and 5 spools of colored thread on revolving rack. Wings are pin cushions. 7" high. New blond finish. Thousands used. Now better than ever! Makes wonderful gift. Mailed postpaid same day order received. ONLY $2. Order several!

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CHOICEST QUALITY FROZEN **FISH** SHIPPING SINCE 1899

1c less per lb. 100 lbs. one Variety
½c less per lb. 100 lbs. mixed Varieties

100 LBS. SELECT FROZEN FISH
20 lb. Bullheads, skinned, drsd., hdls.
30 lb. Northern Pike, drsd., hdls.
20 lb. Salmon, drsd., hdls.
30 lb. Silver Herring.
$18.75

100 LBS. ALL FISH IN 10 LB. CARTONS
20 lb. Ocean Pike, drsd., hdls.
20 lb. Lake Perch, scaled, drsd.
30 lb. Smelt, choice
30 lb. Silver Herring
$14.00

Pike, Walleye, drsd., hdls.	36c lb.
Pickerel, drsd., hdls.	17c lb.
Salmon, red, drsd., hdls.	30c lb.
Bullheads, skinned, drsd. hdls.	28c lb.
Carp, drsd., hdls.	11c lb.
Catfish, drsd., hdls.	35c lb.
Halibut, drsd., hdls.	33c lb.
Herring, Silver	10c lb.
Smelt, fancy	14c lb.
Northern Pike, boneless, about 1 lb. packages, 10 lb. cartons	26c lb.
Black Cod, drsd., hdls.	25c lb.
Salted flat Lake Herring, 100 lb. keg	$14.00
Fresh smoked fat Bluefins, 10 lb. boxes	2.00
Fresh smoked Sable chunks, 10 lb. boxes	4.30
Fresh smoked chunk Salmon, 10 lb. boxes	4.80

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Miss Henny Hansen (left), from Denmark, visiting Iowa on the Youth Exchange, talks with Mrs. Verla Ulish, county home economist, of Webster county, Iowa.

This Is The Season For Doughnuts

Cool Weather, Doughnuts And Apple Cider Just Naturally Seem To All Go Together

GET out the doughnut kettle—the season is here again. There's something about cool weather that makes doughnuts an important part of the menu. Perhaps the fact that it's also the season for apples and good, fresh cider, and they go together like pieces of a jig-saw puzzle.

The temperature of the fat must be just right, and must be gauged accurately with a thermometer for frying. It should be from 360 to 375 degrees F.

The thermometer should be fastened to the edge of the pan, the bulb well submerged in the fat, but not touching the sides.

Heat the fat slowly to required temperature, and be sure it has reached the proper heat before starting to fry. Test the temperature of the fat frequently during the frying.

Put only enough fat, into the kettle to heat—that will fill it only a little more than half-full.

Slip the doughnuts cautiously into the kettle. Don't try to cook too many at one time, because the fat will become overcooled.

The moment the doughnuts rise to the surface, turn them with a long-handled fork, being careful not to pierce them with the tines.

Remove with a fork, a spoon or a perforated ladle, and allow the excess fat to drip back into the kettle. Drain the doughnuts in a pan lined with crumpled absorbent paper.

RAISED DOUGHNUTS

If you like raised doughnuts, here is a recipe you'll enjoy:

6 cups flour
1 cake compressed yeast
2 cups lukewarm water
1 cup sugar
1 egg
⅓ cup melted fat
2 teaspoons salt
2 teaspoons almond flavoring

Crumble yeast into a bowl and cream with a little of the sugar. Add one cup lukewarm water and two cups flour. Beat well and add the other cup of water. Set in a warm place to rise until light—about one hour.

Add well-beaten egg, salt, rest of sugar, fat and flavoring. Spices may be substituted for almond flavoring. Mix well and add the remaining flour to make a soft dough. Knead well on a floured board.

Place in a well-greased bowl and set in warm place until double in bulk—about an hour.

Roll in one-third-inch thickness on floured board and cut with a doughnut cutter. Place on a greased cooky sheet. Set in warm place to rise. When very light, fry in deep, hot fat. Drain on unglazed paper.

When cool, ice tops by dipping into a glaze made as follows: Add three tablespoons hot milk and one teaspoon vanilla to two cups powdered sugar. Add dash of cinnamon and nutmeg. Beat until sugar is dissolved and mixture is creamy.

POTATO DOUGHNUTS

Potato doughnuts are soft and moist. Many folks like them better than doughnuts made from the regulation recipe.

2 eggs
1 cup sugar
2 tablespoons melted fat
1 cup riced or mashed potatoes
1 cup sour milk
4½ cups flour
1 teaspoon salt
4 teaspoons baking powder
1 teaspoon soda
1 teaspoon nutmeg

Beat the eggs and sugar until light. Add the fat, potatoes and milk. Beat until smooth. Add the flour, salt, baking powder, soda and nutmeg.

Roll out until about one-half inch in thickness, on a lightly floured board. Fry according to directions. Drain on absorbent paper.

Skipper Sam's FROZEN FISH

GUARANTEED FRESH

FROM OUR FISHERIES DAILY
Packed in NEW Skipper Sam Double Insulated Boxes with enough dry ice to keep the fish frozen until they are delivered to you.

Order this Special Assortment—Today
All Dressed and Headless Fish—50 pounds, packed 10 pounds of each kind: Northern Pickerel, Flounders, Herring, Ocean Pike and Rockfish $10.00
DOUBLE OF EACH KIND, 100 lbs. $19.00

FISH STEAKS—25 lbs., $12.00
Sliced from large fancy fish. Packed 5 pounds of each kind in cartons, 5 cartons in special Skipper Sam shipping case. Contains Lake Superior Trout, King Salmon, Steaking Cod and Rockfish.
MAKES NICE XMAS GIFTS
Handy to store in locker or deep freezer.

BONED FISH FILLETS, 25 lbs. ... $11.75
Packed 5 lbs. of each kind in cartons: Walleyed Pike, Northern Pike, Haddock, Sea Perch and Finnan Haddie.

SMOKED FISH — Ready to Eat
10 lbs. packed in strong shipping cartons
Tullibee Whitefish ... $4.25 Salmon ... $6.50
Northern Whitefish ... 5.00 Eels ... 5.00

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Order a fast EXPRESS shipment of these GUARANTEED FISH...Write for complete Price List and Illustrated Fish Folder.

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DOCK 5, DULUTH 2, MINNESOTA

Effective Cough Syrup, Home-Mixed for Extra Economy

Saves Big Dollars. No Cooking.

This splendid recipe is used by millions because it makes such an effective medicine for coughs due to colds. It's so easy to mix—a child could do it.

From any druggist get 2½ ounces of Pinex, a special compound of proven ingredients in concentrated form, well-known for its soothing effect on throat and bronchial irritations.

Then make a syrup with two cups of granulated sugar and one cup of water. No cooking needed. Or you can use corn syrup or liquid honey, instead of sugar syrup.

Put the Pinex into a pint bottle and fill up with your syrup. This makes a full pint of cough medicine, very effective and quick-acting, and you get about four times as much for your money. It never spoils, and children love its pleasant taste.

This cough syrup takes hold of coughs, giving quick relief. It loosens phlegm, soothes irritated membranes, helps clear air passages. Money refunded if Pinex doesn't please.

FOR EXTRA CONVENIENCE GET NEW READY-MIXED, READY-TO-USE PINEX!

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40 years' experience in the treatment of arthritis, neuritis, sciatica, lumbago and gout, Hypertension (high blood pressure), Hypotension (low blood pressure), Dermatitis (Eczema and Psoriasis). Also Obesity. Separate Departments for men and women. Two Resident Physicians. On U. S. Highway 212. Tel. Shakopee 123.

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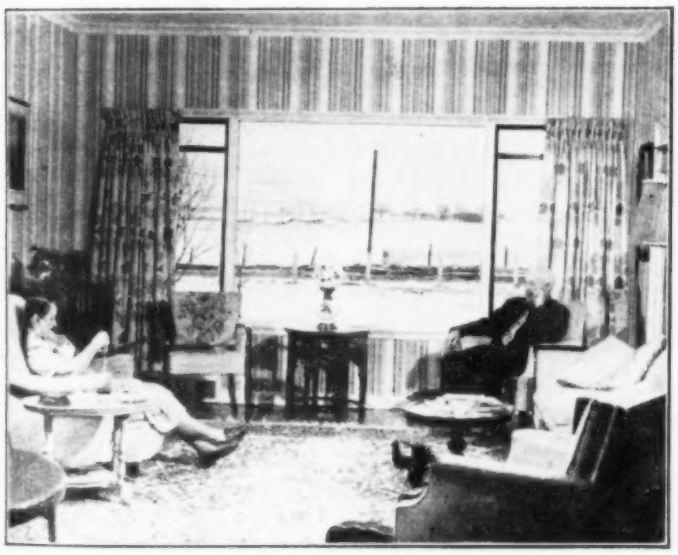
—OUR ADS ARE NEWS—

Iowa Farmers Retire On A Farm

When Mr. and Mrs. Harold Oldham, of Warren county, Iowa, decided to retire, they sold the home farm and bought a nearby forty. They remodeled the house that was already on the new place. Now they have a modern home, live close by their old neighbors and friends, and are still in the country. A white picket fence surrounds all of the buildings.

Mrs. Oldham is pleased with her new kitchen. A counter separates the dining area from the rest of the kitchen. There is room here for her washing machine as well as other equipment. She has a water heater and softener.



The large living-room, with an eleven-foot picture window, is cheerful and light. The furniture is comfortable, and there are built-in bookcases. It is a delightful room for all seasons.

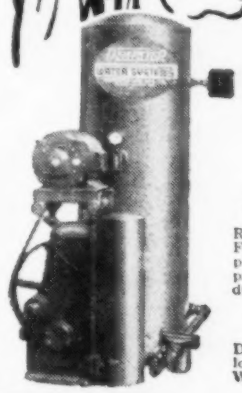
This attractive bedroom has a place for a radio. There is an electric blanket for use in cold weather. There are two other bedrooms upstairs.

We Saved Money By Getting the FACTS about RUNNING WATER

Send for DEMPSTER'S FREE FACT BOOKLET

Yes, hundreds of farm families are choosing their water systems the *right* way...by careful planning *before* they buy.

Send for FREE copy of DEMPSTER'S new booklet. Find out what you must do to get the most out of running water on your farm, and in your home.



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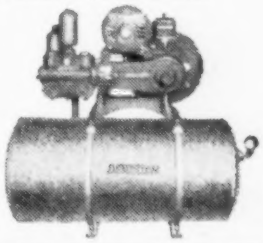

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EASY TO CLEAN...

Just a glance—without flashlight or mirror—will enable you to see if your Hinman Jiffy Master Milker pail is clean. Just a glance will also show you how *easy* it is to clean. Well rounded—with wide opening—every part of this milker is easily accessible for scrubbing. Stainless steel—without seams or hidden openings.

EASY ON THE COW...

Works on 10" low-vacuum principle originated by Hinman. New magic hand inflation gives a gentle, handlike squeeze which starts at top of inflation and works downward. Even very nervous cows respond to this skillful, soothing action. Proved by demonstrations.

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Pail is perfectly balanced with handy arrangement of grips—for less tipping, easier pouring—*without* detaching cover. For complete information, write today for free folder, "Meet the Master Milker."

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In any type fountain, Dr. Jespersen's GE is safe for chicks and laying hens. Aids in the removal of large round worms. Worm all poultry every 3 months. Prices—For 300 Hens, $2.50; 600 Hens, $4.75; 1200 Hens, $9.00.

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Kills Chicken Lice, Mites, Blue Tick on contact and fumigation. Just apply RID-EM to the roosts and cross bars with a brush or swab. One application lasts 30 days or longer. Prices—$1.00, pint; $1.75, quart; $3.25, ½ gallon; $6.00, gallon.

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If he is out, to save time, we will ship GE or RID-EM direct to you at above prices prepaid if check or M. O. with order—or C. O. D. and you pay all delivery charges. Dealers wanted.

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Income On Flock Up 20 Times

More Eggs Per Hen, Less Feed Per Dozen Boosts Poultry Profits For Iowa Couple

How in the world do you go about getting a hen to lay 100 more eggs a year? Here, W. R. Whitfield, Iowa State College extension poultryman, tells how one farm couple did it.

THREE years ago, the LeRoy Bruses, Carroll county, Iowa, had just an average farm laying flock. Since then, they've boosted their labor income from chickens by nearly 20 times. How?

Two things account for a big part of the gain: Egg production per hen has increased by 100 eggs a year; feed required to make a dozen eggs has been cut in half.

It was in 1946 that the Bruses started keeping records in the extension service's demonstration flock project. At that time, the Bruse flock was about average in production—157 eggs per hen per year. And the hens were eating 9.1 pounds of feed per dozen eggs.

Last year, the Bruse hens averaged 250 eggs per bird, needed only 5.1 pounds of feed per dozen eggs.

More eggs per hen and less feed per dozen couldn't help but change the profit picture completely. In 1946, the Bruses had a labor income of $37.61 from 126 birds. Last year, their income for labor was $719.12.

Of course, this rapid change did not "just happen." Several changes in the handling of their flock have made most of the difference.

They used to keep a flock of mixed hens which had the run of the farm during the summer. Now they keep an all-pullet flock and confine birds the year around.

They used to hand-feed their birds. Now, all of their feeds, including a concentrate and home-grown grains, are self-fed.

There was a time when hens and chicks on the Bruse farm ran together, with young birds picking up lice from the old ones. Now the flock is free from these parasites, because young and old birds are kept apart.

The Bruse pullets are housed before they are six months old. As soon as production starts down from its first peak—about October 15—the use of electric lights is started.

The feeding program calls for feeding a 26 per cent protein concentrate when the pullets are young. This is kept up — with whole oats and shelled corn—throughout the life of the layers.

The new management practices followed by the Bruses, plus labor-saving equipment, have cut labor requirements to less than one hour per bird per year.

But the Bruses aren't thru yet. They have plans for still further improvements. "We want to insulate the house," they say. "And install automatic waterers, change the nests to rear-entrance type, to keep eggs cleaner, and use a sun porch on the brooder house to give growing chicks more room."

The Bruses also want to start several broods of market chickens a year. They figure they can further increase profits by selling high-quality meat birds all year.

The Bruses are quick to give credit to their record books, and to the help they've received in the demonstration flock program.

"We believe in keeping books," they say. "Records keep us ahead of failure. And the monthly tips and suggestions sent with the reports help us to realize the important things to be done."

PAW TUCKER—"Maybe Paw Will Have Better Luck With Th' Rabbits"

"I still say that our hens 'lie,' teacher. They cackle, but there's no eggs."

The Farm Flock

A GOOD POULTRY HOUSE, says University of Illinois, is one that provides conditions thruout the year similar to those prevailing naturally in the spring. That's pretty hard to do without good insulation and a ventilating system that works.

▲ ▲ ▲

AN EGG IS 65 PER CENT water. That's why a flock of 100 hens will drink about seven tons of water a year. No wonder poultry chores leave many flock owners with an aching back! Running water makes more sense in the laying house than almost any other place on the farm.

▲ ▲ ▲

CAFETERIA FEEDING — keeping mash and grain in front of the flock all the time—is another way to save a lot of time and work in the hen house.

▲ ▲ ▲

FEEDER SPACE is put to better use if one end of the feeder is beard a window. When feeders are lined up parallel to windows, hens may avoid the window side. They don't like to see their own shadows on the feed.

▲ ▲ ▲

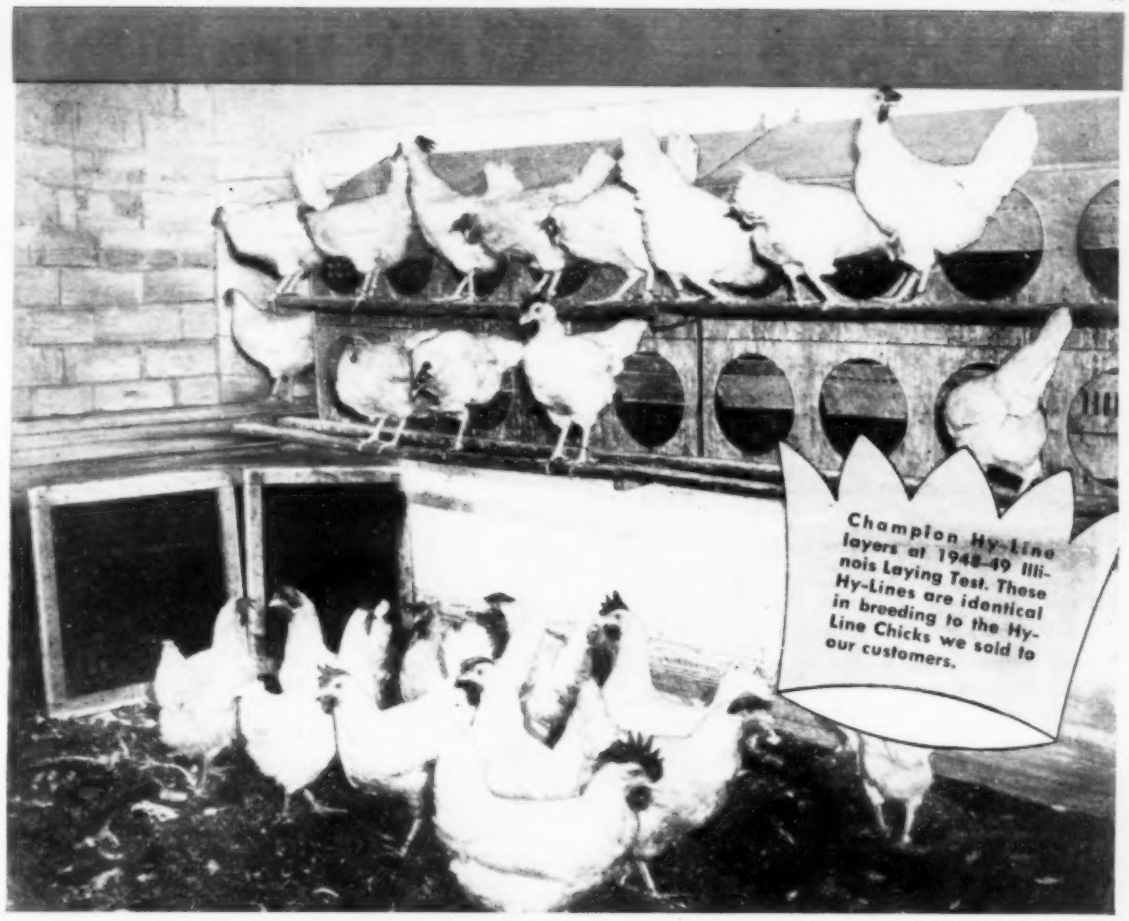
HOW DO POULTRY and eggs rank as a source of farm income? For Iowa in 1948 poultry was the third most important source of gross farm income, ranking behind hogs and cattle, but ahead of corn and soybeans. In Minnesota and Missouri, poultry ranked fourth, in Nebraska fifth, and in Illinois sixth.

Overcrowding Costs Money

You'll be money ahead to sell off extra pullets rather than overcrowd your laying house, says L. Z. Eggleton, Iowa State College extension poultryman.

Overcrowding can cause high death rates in winter laying flocks. And ventilation systems don't work well when there are too many birds in one house.

Eggleton suggests you allow from three to four square feet of floor space per bird. Give your flock enough equipment, too—one nest for every five birds, four eight-foot feeders for 175 hens, and enough fountains to provide five gallons of water a day for 100 hens.



Hy-Lines! CHAMPION LAYERS

Trade Mark Reg. U.S. Pat. Off.

at 1948-49 Official Illinois Laying Test

Hy-Line hens have been champion individual layers each year for five straight years at Illinois Laying Tests. Above photo shows Hy-Line hen, the champion for 1948-49. Official record: 298 eggs; 314.35 points.

Again this year, Hy-Lines are the champion layers at the Illinois Egg Laying Test. Hy-Lines averaged 227.8 eggs per bird for the laying test year, according to the official report issued by the Illinois Department of Agriculture. Three principal standard breeds averaged 158.2 eggs per bird. The difference is 69 eggs (5¾ dozen) per bird in favor of Hy-Lines. Table below shows the comparison:

Breed	No. of Birds Entered	Total Eggs Laid	Av. Eggs Per Bird
Hy-Lines	65	14,808	227.8
Leghorns	117	19,889	169.9
White Rocks	65	9,739	149.8
New Hampshires	117	17,674	151.1
SUMMARY: Hy-Line vs. Standard Breeds			
Hy-Lines	65	14,808	227.8
Standard Breeds	299	47,302	158.2
Difference in favor of Hy-Lines			69.6

HY-LINES! CHAMPION LAYERS FOR FIVE CONSECUTIVE YEARS

Hy-Lines have been the champion layers for each of the past five years at Official Illinois Egg Laying Tests. They laid more eggs per bird each year than any of the standard breeds. Hy-Lines laid more eggs when the going was tough—bronchitis in 1944-45, and newcastle in 1947-48. Hy-Lines laid more eggs when the going was good—in 1945-46. They laid more eggs when the going was about average. The table below shows comparisons by years between Hy-Lines and the three standard breeds:

AVERAGE EGGS PER BIRD ON HEN HOUSED BASIS

Contest Year	Hy-Lines	Leghorns	White Rocks	New Hamps.
1944-45	206.2	123.2	149.7	131.2
1945-46	234.2	188.5	154.8	165.7
1946-47	227.7	185.6	165.4	160.0
1947-48	215.2	178.0	128.1	145.5
1948-49	227.8	169.9	149.8	151.1
5-year average	222.2	169.0	149.5	150.7
Difference in favor of Hy-Lines		53.2	72.7	71.5

ILLINOIS TEST RECORDS ARE OFFICIAL: These Egg Laying Tests are conducted by the Illinois Department of Agriculture. All birds entered each year receive identical feed and management. Records made are official trapnest records.

PLACE YOUR ORDER NOW FOR 1950 HY-LINE CHICKS

The demand for Hy-Line Chicks is greater than the supply. So place your 1950 order right away to be sure. A small deposit reserves your 1950 Hy-Line Chicks now.

ORDER EARLY HATCHED HY-LINE CHICKS

Regardless of time hatched Hy-Line pullets commonly produce from 50% to 80% each month for a complete year or more. January hatched Hy-Lines reach peak production in August and September, when egg prices are rising. You get a higher egg income by selling more high price eggs. Start early hatched Hy-Line Chicks in 1950.

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A Department of Pioneer Hi-Bred Corn Company

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Hilltop's K-M Kills germs of Pullorum, Typhoid, Paratyphoid, Cholera in contaminated poultry drinking water!

New Orange Hilltop K-M is now a greater value than ever before and costs so little in comparison with other brands. Wise Poultry Raisers praise K-M's merits . . and with higher egg prices they take extra precautions to protect their egg producers.

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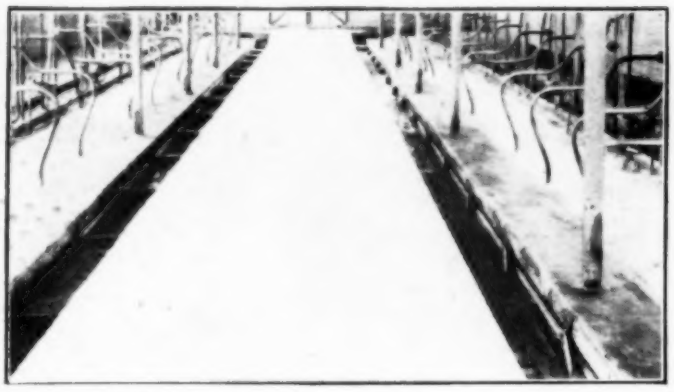
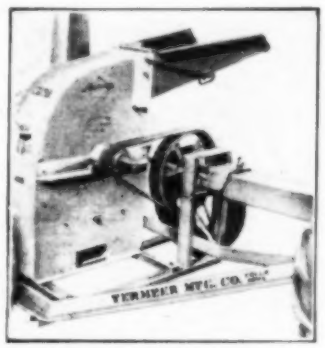
Dept. C.A., 4456 W. Fillmore St., Chicago 24, Ill.



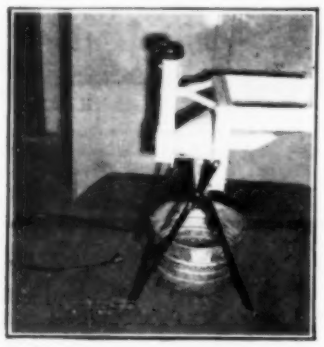
Shuttle-Action barn cleaner operates forward and back—has no chains or sprockets. Paddles fold back for reverse motion. Back stroke is shown in gutter at right. Push stroke shown in left gutter. Separate outside elevator puts the manure in the spreader. Made by the James Mfg. Company.



Long Belts are eliminated with this power take-off drive for shellers or grinders. Trailer mounted or stationary models, made by the Vermeer Manufacturing Co.

Fine and Coarse grinding wheels are provided on this bench grinder. Motor is one-third horse-power, oil packed and sealed. Manufactured by Albertson & Company.

Self-Unloading box lifts by hydraulic power and cross-wise conveyor dumps the material at side. Manufactured by Acme Welding and Engineering Co.



Grinder has automatic feed device. Runs with one-horse electric motor. Said to grind 120 pounds of oats or 1,000 pounds of corn per hour. Made by Wincharger Corp.

Tank Heater delivers heat thru steel tubing. Burns oil and has down-draft stack hood. The oil tank is removable for filling. Made by the Illinois Foundry Company.

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A highly concentrated source of Vitamin D to add to Drinking Water of Poultry and Livestock. One pint of SOLU-D costing $7.50 contains 22.2 million units of Vitamin D3—the approximate amount in a $150 drum of Cod Liver Oil. Easy to feed—potency guaranteed. Just mix SOLU-D with drinking water as directed, fresh every day. This insures full potency of Vitamin D at all times.

An easy, inexpensive positive way to provide the vital sunshine to your poultry and livestock. You can really save money by using SOLU-D . . . and here is a special trial offer.

Clip the coupon below and take it to your feed dealer and save $1 on the purchase of a pint of SOLU-D or mail coupon and $6.50 to FOOD ESSENTIALS, INC., 2729 Iglehart Ave., CHICAGO 16, ILL., and we will ship SOLU-D postpaid.

—SAVE $1 BY USING THIS COUPON—

This coupon is good for $1 toward the purchase of a pint of SOLU-D, regular price $7.50, when presented to your feed dealer.

If your dealer cannot supply you fill in his name below and send coupon and check or money order for $6.50 and SOLU-D will be sent you postpaid.

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FROZEN FISH, FROZEN FRUITS and VEGETABLES

JUMBO SMELTS—Packed 10 lb. carton—Cello Wrapped—20c PER LB.

FISH

Bullheads, Skinned, Jumbo	25c lb.
Carp	10c lb.
Catfish, Skinned	40c lb.
Eels	30c lb.
Halibut, Cuts	20c lb.
Halibut, Dressed	35c lb.
Herring, Dressed	15c lb.
Oysters, Selects	65c pint
Oysters, Standards	60c pint
Perch	25c lb.
Salmon, Dressed	35c lb.
Suckers, Dressed	10c lb.
Walleyed Pike, Dressed	30c lb.
Whitefish, Dressed	28c lb.

BONELESS FISH

Cod, 10 lb. Carton	25c lb.
Haddock, 10 lb. Carton	26c lb.
Ocean Pike, 10 lb. Carton	20c lb.
Walleyed Pike, 5 lb. Carton	50c lb.

SMOKED FISH

Bluefin Herring, 5 lb. Carton	30c lb.
Sablefish or Black Cod, 5 lb. Carton	55c lb.
Trout, 5 lb. Carton	55c lb.

SPECIAL

Ocean Pike, Seabid, Dressed and Headless, Not Boneless, 10 lb. Carton	15c lb.

FRUIT

Apples, packed 25 lb. Tin	13c lb.
Apple Sauce, 1 lb. Package	12c each
Apricots, 6 lb. Tin	22c lb.
Cantaloupe Balls, 4½ lb. Tin	32c lb.
Cantaloupe Balls, 10 oz. Package	18c each
Cherries, Black Sour, 1 lb. Package	18c each
Cherries, Red, 1 lb. Package	35c each
Cherries, Red, 30 lb. Tin	20c lb.
Juice, Lemon, 6 oz. Tin	25c each
Juice, Orange, 6 oz. Tin	25c each
Loganberries, 1 lb. Package	27c each
Peaches, 10 lb. Tin	17c lb.
Peaches, 1 lb. Package	25c each
Raspberries, Red, 1 lb. Package	40c each
Raspberries, Red, 10 lb. Tin	25c lb.
Strawberries, 30 lb. Tin	35c lb.
Strawberries, 1 lb. Package	35c each

VEGETABLES

Asparagus Cuts, packed 12 oz. pkg.	22c each
Beans, packed 10 oz. pkg.	23c each
Broccoli, packed 10 oz. pkg.	22c each
Brussels Sprouts, packed 14 oz. pkg.	28c each
Chicken a la King, packed 14 oz. pkg.	50c each
Chop Suey, Veg., packed 16 oz. pkg.	10c each
Corn, packed 10 oz. pkg.	15c each
Corn Beef Hash, packed 16 oz. pkg.	18c each
Peas, packed 12 oz. pkg.	20c each
Peas and Carrots, packed 12 oz. pkg.	13c each
Rhubarb, packed 12 oz. pkg.	10c each
Soy Beans, packed 12 oz. pkg.	10c each
Spinach, packed 14 oz. pkg.	15c each
Squash, Crookneck, packed 12 oz. pkg.	12c each
Succotash, 12 2/3 lb. pkg.	21c lb.

All stock guaranteed. Send check or money order with your order. If weather is mild, dry ice will be added, no charge.

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Cost of the Master treatment is moderate. One gallon of medicine treats 15 to 20 animals for 7-weeks. Results far exceed the cost of the medicine.

The old reliable Master Liquid Hog Medicine has been used successfully by more than 300,000 hog-raisers in the midwest. Order from your local dealer or direct.

1 gal. $4.50 2 gal. $8.50 3 gal. $12.50
5 gal. $19.50 10 gal. $37.50

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Scientifically BALANCED FOR EVERY FEEDING NEED

POULTRY HOGS CATTLE

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A Proved Record of Results for Over 77 Years.

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Trojan All Year HOG WATERER

Automatic — No Floats — Non Freezing

Provides constant supply of clean, fresh water at all times. Safeguards health. Prevents water waste.

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YOUR NAME made with 1-inch, raised, blacklace, ALUMINUM letters. Complete with bolts, nuts and brackets for mounting on top, side or bottom, as shown. Lasts a lifetime. Descriptive literature free. Satisfaction guaranteed or your money refunded.

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Adjustable Sign Co., Box BW-1, Askov, Minn.

Wild Goose and Duck Feathers. 49 years of fair dealing assure you best outlet for your new feathers. Write quote for prices and send shipping tags on. Columbia Bedding Co., Dept. WF, 1750 N. Walnut Ave., Chicago 22, Ill.

— OUR ADS ARE NEWS —

Judge Barrows New Way

THE new grading system for choice hogs, now being tried in some of the interior markets, was explained in full at the Waterloo Meat Animal and Livestock Show. The new method classifies hogs on foot, based on carcass characteristics. Thickness of the back fat is most important.

Fred Beard, USDA grading expert, was on hand to do the explaining. He sorted some thirty choice hogs into Choice 1, Choice 2 and Choice 3 lots. One animal from each pen was killed and the carcass then displayed.

Choice 1 hogs, long and lean, for which the packers would pay premiums, weighed 220 pounds at slaughter. The carcass showed 1.7 inches of fat across the back. Lean cuts totaled 39.1 per cent, primal cuts 45 per cent, fat 13.1 per cent.

The Choice 3 hog, short and fat, and marketed after it had reached the too-fat stage, weighed 227 pounds. It was considerably shorter than the Choice 1 hog. Fat across its back amounted to 2.6 inches. Lean cuts were 31.4 per cent, primal cuts 42.3 per cent and fat 16.3 per cent.

The Choice 2 hog was in between the Choice 1 and Choice 3 barrows.

Beard stressed that weight was not the deciding factor in classification. Some hogs in Choice 1 weighed up to 250 pounds, while some in Choice 3 were as light as 200. Deciding factor was whether they were marketed at the proper time in relation to their type.

In the carcass barrow contest, G. D. Grimes, of Fayette county, won first place. His barrows' sire was a Berkshire; the dam a Tamworth-Duroc cross. A 12-month average hog price of $20.50 was used as a basic price.

Using this basic figure, Grimes' barrow would bring $23.18 per hundred, or nearly $3 per hundred premium. Second place went to Harold Wehrman, of Benton county, on a Berkshire at $23.14 per hundred. Third place went to Wm. Wilkening, Story county, on a Berk at $22.39.

In the regular barrow show, Harlan Hirsch, Warren county, had the grand champion individual. Bob Faint, Pocahontas county, had reserve grand champion barrow and grand champion pen.

Grand champion steer of the show was exhibited by Irvine & Minish, Tama county, while the reserve champion went to Arthur Timm, also of Tama county.

In the fat lamb classes, Dewey Jontz, Polk county, had the champion individual and champion pen of three lambs. Mary A. Luther, Jasper county, had the champion pen of 15 lambs.

SAFE, INEXPENSIVE PROTECTION FOR YOUR FARM IMPLEMENTS

• Protect expensive farm machinery from weather exposure and lengthen its service life with a fully enclosed implement shed. By including a heated shop, you can make repairs and adjustments comfortably . . . at any time.

For a fire-safe structure that will last a lifetime, build foundations, floor and outside approach of concrete made with Lehigh Portland Cement . . . and walls of concrete block bonded with Lehigh Mortar Cement. Construction takes little time and cost is low.

Your Lehigh Dealer can show you how to save time and money on this and other concrete work. See him next time you are in town.

3 men and a boy can build a 4-section implement shed like this with these materials:

FOR FLOOR & APPROACH
246 sacks Lehigh Cement
21 cu. yds. sand
28 cu. yds. gravel

FOR WALLS
8 sacks Lehigh Mortar Cement
1 cu. yd. Mortar Sand
976 8 x 8 x 16-in. regular concrete blocks
87 8 x 8 x 16-in. corner return concrete blocks
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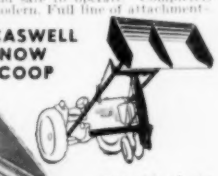
"THE ORIGINAL IS STILL THE BEST"

The FIRST in the field, the CASWELL is economical, simple and safe to operate. Completely modern. Full line of attachments.

CASWELL SNOW SCOOP



Get rid of the snow easily. Use a CASWELL SNOW and GRAIN SCOOP. Get it Now.

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1. Patented LEVER CONTROL to tilt fork and control the dip.
2. Patented CURVED GUIDE to hold lift in line.
3. Patented CROSSED CHAINS lift evenly, no twisting.

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CASWELL MANUFACTURING CO. Dept. 110 Cherokee, Iowa

MIN-A-LAK helps supply needed major and trace minerals plus certain essential vitamins.

PURITAN-40 rich in animal and milk protein factors to balance home grown grains.

The Puritan Profit Twins (MIN-A-LAK and PURITAN-40)

Make Your Feeds Make You More Money

Feed more of what you raise. Buy less of what you feed. Feed-saving Min-A-Lak and Puritan-40 are built to make your feeds go farther. See the Puritan Man or write:

PURITAN LABORATORIES, INC.

208 S. W. 8th Des Moines, Iowa

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ON YOUR TRACTOR

COMFORT COVER TRACTOR HEATER

Famous Comfort Cover keeps you warm with engine heat.

All Weather Top & Side Curtains provides extra year 'round protection at small extra cost.

Back Panel helps keep in more heat. Optional at small extra cost.

Back Panel & Top units fit any 1948-49-50 CN Series Comfort Cover.

Makes the Ideal Low Cost Heated TRACTOR CAB!

Work in comfort in even the worst winter weather! A Comfort Cover keeps you warm, protects you from biting winds. Attaches to your tractor in a jiffy. Converts to a low cost heated cab if desired. Made of heavy weather treated canvas and iron framework. Custom fit for virtually any model farm tractor.

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MODEL C

HARVEST-HANDLER *Elevator*
helps do winter chores faster!

1. Easily carried and placed in operating position by one man. Can be transported on truck ready for instant use.
2. Adaptable to dozens of jobs on even the smallest farm. Saves hours and dollars, quickly pays for itself. 4-ft. midsection increases 16-ft. length to 20 ft.
3. Chain model moves 380 bu. of ear corn per hour operating at 35° angle. Quiet-operating rubber belt model has almost equal capacity for ear corn, greater capacity for small grains. Choice of electric motors and gasoline engines.

PORTABLE
PRACTICAL
POWERFUL

Write for literature.

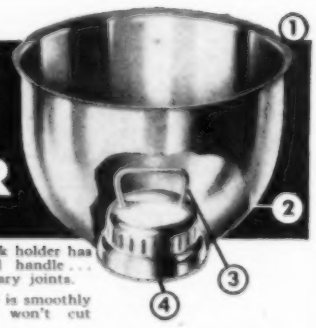
Smaller capacity Model "B" also available.

THE ORIGINAL PORTABLE ELEVATOR

BELT THE BELT CORPORATION
7304 Stahl Rd.
ORIENT, OHIO

Patent Pending

NOW A NEW G.P.&F. CREAM CITY MILWAUKEE
MILK STRAINER
Check These Important Features



1. Top edge of strainer has wide flange for easy lifting.
2. Streamlined shape for fast straining and easy cleaning. Base of bowl is contoured to fit mouth of milk can . . . no accidental tipping.
3. Baffle and disk holder has round welded handle . . . smooth, sanitary joints.
4. Edge of baffle is smoothly rounded . . . won't cut disk.

This seamless, solderless milk strainer is designed to help produce pure milk. It removes every bit of insoluble dirt and sediment. Made of heavy-gauge steel, tinned and retinned . . . 14 and 18-qt. sizes. See it at your dealer or milk plant.

Also see G. P. & F. Hooded and Open Top Dairy Pails; and Seamless, Solderless Milk Cans with streamlined straight breast.

G.P.&F. GEUDER, PAESCHKE & FREY CO.
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Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

First Aid for Stock

"Sore Mouth" In Cattle

Legumes are good fall pasture. But they can cause "sore mouth" (or stomatitis) in cattle, says Dr. G. T. Woods, University of Illinois veterinarian.

Exact cause of "sore mouth" is not known, he says. But usually it occurs when cattle graze on wet clover or alfalfa pastures and then stand in bright sunlight.

Symptoms are a crusted muzzle, drooling, and swollen, protruding tongue. If signs appear in your herd, take the cattle off the legume pasture and call your veterinarian.

Raise Hogs After Erysipelas?

To the Editor: Is there any way to clean up a farm after swine erysipelas? How long would we have to keep from raising hogs on the farm before it was cleaned up?—A. C., Page County, Iowa.

You can clean and disinfect your hog house by scrubbing the walls thoroly with lye-water and spraying with any good disinfectant. But disinfection of the soil is practically impossible. Germs of erysipelas live well in soil rich with humus.

It is hard to say whether or not leaving your farm idle of hogs for a year would make it safer. In some cases, with the aid of vaccination of succeeding litters, it has helped. But not always.

You probably should not risk a large herd on your place for some time. But if your pigs come late, can be kept on clean pasture and out in the sun most of their lives, and are vaccinated when they are small, you may be able to raise some hogs safely. But don't depend on vaccination to last for much more than six months.

Vaccinate Feeder Lambs?

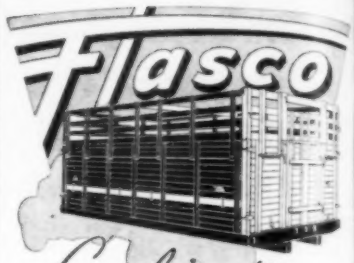
To the Editor: We have been hearing a lot about vaccinating feeder lambs against overeating disease. Just how successful has it been?—D. L., Floyd County, Iowa.

Lamb apoplexy, overeating disease, or enterotoxemia of feeding lambs has been a problem to lamb feeders for a long time. Death losses often ran high, and there was no way to estimate how fast the gains might be.

A germ found in the soil causes the disease. The germ gets into the intestines of the sheep, grows and produces toxins that, when the sheep is on heavy feed, results in toxemia or poisoning.

Now a bacterin is available that has been used in the field for about three years on many thousands of feeder lambs. It reduces losses from this disease materially if used before the sheep go on heavy feed. Thru vaccination, you can now make your flock highly resistant to overeating disease.

Flasco



Combination
Stock and Grain Bodies Wear Better, Last Longer

For longest, most satisfying service get the new Flasco body.

The new Flasco offers you: (1) The cream of wear improving ideas of thousands of truckers. (2) The top wear improving discoveries of our own body repair shop.

Our central stockyards location gives us thousands of contacts with experienced truckers. We repair many of their truck bodies. We know what truckers want and what wears best for them. You get our findings in Flasco.

We have engineered Flasco so that you can easily afford it. The price is highly competitive.

See your nearest dealer for quickest service and lowest prices. Or write us for his name.

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516 S. Chambers, STOCKYARDS, Sioux City, Iowa

PRICES SLASHED ON TIRE CHAINS 75% OFF

Think of it—if you act fast—a set of 4 famous Gripco Individuals for only $1.98. Yes, the same rubber-tread snow, ice and mud grippers made to sell at $8.45 in retail stores.

$1.98 SET OF 4

Easy to put on—patented clamp tightens with screwdriver. Noiseless—no clanking chains. Smooth riding—high tensile, new rubber treads.

Set of 4, complete with 8 detachable steel ice cleats, serves both rear wheels. Send only $1.00. GIVE TIRE SIZE. Upon delivery pay postman 98c plus postage and small C.O.D. charge. Shipping weight 4½ lbs.

Auto Accessory Sales Co.
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5 doctors prove this plan breaks the laxative habit

If you take laxatives regularly—here's how you can stop!

Because 5 New York doctors now have proved you may break the laxative habit. And establish your natural powers of regularity. Eighty-three percent of the cases tested did it. So can you.

Stop taking whatever you now take. Instead: Every night for one week take 2 Carter's Pills. Second week—one each night. Third week—one every other night. Then—nothing!

Every day: drink eight glasses of water; eat a definite time for regularity.

Five New York doctors proved this plan can break the laxative habit.

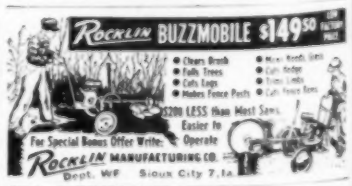
How can a laxative break the laxative habit? Because Carter's Pills "unblock" the lower digestive tract and from then on let it make use of its own *natural* powers.

Further—Carter's Pills contain no habit-forming drugs.

Break the laxative habit . . . with Carter's Pills . . . and be regular naturally.

When worry, overeating, overwork make you irregular temporarily—take Carter's Pills temporarily. And never get the laxative habit.

Get Carter's Pills at any drugstore for 25¢ today. You'll be grateful the rest of your life.



"Old at 40, 50, 60?" — Man, You're Crazy

Forget your age! Thousands are peppy at 50. Try "pepping up" with Ostrex. Contains tonic for weak, rundown feeling due solely to body's lack of vim which many men and women call "old." Try Ostrex Tonic Tablets for pep, younger looking skin every day. New "get acquainted" size only 50¢. For sale at all drug stores everywhere.

OUR ADS ARE NEWS

Advertisement

From where I sit ... by Joe Marsh

Clam Chowder Can Be Dynamite!

If Smiley Roberts is a friend of yours, like he is mine, and if you want to keep his friendship, like I do, don't ever let him hear you say that good clam chowder can be made without cream.

In New England, where Smiley comes from, friendships have been broken over tomatoes versus cream in clam chowder. Experts say that south of Boston the tomato reigns supreme, but north of Boston it's cream—or else!

From where I sit, whether it should have cream or tomatoes is simply a matter of taste. This is plain to anyone who doesn't come from clam chowder country.

What a great world this would be if we could all see that most prejudices are matters of taste only. Some like hot coffee. Some like it iced. Some like a temperate glass of beer. Others prefer ice-cold lemonade. My grandmother used to say, "Prejudice that sees only what it pleases, cannot see very plain."

Joe Marsh

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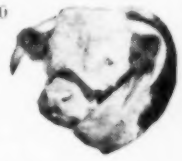
HEREFORD DISPERSION

In comfortable heated pavilion, on Highway No. 20



SAC CITY, IOWA, THURS., DEC. 1st

Starting promptly at 1:00 P. M.

—40 HEAD—

7 Bulls—23 Females

We reluctantly offer our fine registered herd of **HEREFORD** cattle, without reserve, to raise money to pay for a farm we have recently purchased. The 40 head sell in 32 lots including our herd bull, **ROYAL SILVER DOMINO** 4272624, a top son of the International Grand Champion, **REAL SILVER DOMINO 32d**, the H. C. Pearson herd sire. Dam a top cow by **WHR ROYAL DOMINO 96th**, by Prince Domino. A real tried sire for someone. 6 choice young bulls. 10 grand cows with calves at foot by the herd bull. 7 splendid bred cows and 6 beautiful open heifers. Females rich in **HAZLETT** and **WHR** breeding. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication.

J. T. TRIPLETT, Owner, ROCKWELL CITY, IOWA

Auctioneer and Sale Manager, Jewett Fulkerson, Liberty, Mo.
M. T. White or M. W. Boney, Fieldman

Faster Gains are More Economical Gains

To: FARMERS HYBRID HOGS, Hampton, Iowa

Eight sows bred to my first Farmers Hybrid Boar raised 54 pigs. These pigs were farrowed between April 25 and May 10. They were the largest pigs I ever had farrowed.

I sold 18 of them at 5 months of age, averaging 235 pounds. I marketed the remainder at 6⅔ months of age, averaging 308 pounds each.

Leroy Grabenstein, Ogden, Iowa.

Farmers Hybrid Hogs Gain Faster
Proven Again and Again on Iowa Farms
See your Local Farmers Sales Service Man or write—

FARMERS HYBRID HOGS
Hampton, Iowa

ELBURN FARM DISPERSION SALE

ABERDEEN ANGUS CATTLE

To be held at the Marycrest Farm Sale Barn

Maloy, Iowa December 8

80 HEAD

3 Great Bulls—77 Choice Females
30 Cows With Big Calves at Foot

Having sold the farm, we must dispose of our entire herd of choice Angus cattle, composed of some 80 head, including 30 cows with calves, 18 bred and open heifers, and 3 herd bulls; namely, **REVEMERE OF WHEATLAND 70th**, the Senior herd bull of Hollinger breeding; **BANDOLIER 142d OF WILTON**, an outstanding son of Bandolier 44th of Wilton, which would never be offered for sale except under these conditions; and **REVEMERE OF ELBURN 100th**, a good yearling son of Revemere of Wheatland 70th. The most popular families are represented: **BLACKBIRD, BLACKCAP, QUEEN MOTHER, ERICA, ELBA, JUANA, MISS BURGESS**, and others. A **JUANA** cow with show heifer calf sired by **HOMEPLACE EILEENMERE 26th**, the John D. Warin bull, which stood 4th in his class at the Kansas City Royal this year, and rebred to him. A double-bred **EILEENMERE** from Tolan herd with heifer calf by **EILEENMERE OF MARYCREST** and bred to **HOMEPLACE EILEENMERE 26th**. An imported **BUXOM MAID MISS BURGESS** with a beautiful heifer calf by **REVEMERE OF WHEATLAND 70th**.

Due to limited time these cattle will not be highly fitted but will be sold in good breeding condition.

Write for our **FREE** catalog at once and please mention this paper.

E. L. OSBURN, BEDFORD, IOWA

Auctioneers, Roy Johnston and Ray Sims. M. T. White, Fieldman

A PRODUCTION SALE FOR

W. P. LORENZEN, Pilot Mound, Ia.

In Comfortable Sale Pavilion

Ogden, Iowa, Friday, December 2

12 GOOD BULLS
48 WONDERFUL FEMALES

The Lorenzen herd for 33 years has maintained one of Iowa's best herds, the Farmer-Breeder type SHORTHORNS. The bulls are senior and Junior bull calves by **KLAYMOR GOVERNOR** by Klaymor Camouflage out of Dams by **BROWNDALE CHIEF** and **BROWNDALE BOOSTER**, half brothers to **SUNRAY**, International grand champion. 10 cows with calves at foot, first calf heifers. Mostly by **KELBURN SATISFACTION** by MOUNT BANKER (Imp.), Perth reserve champion, and sire of International grand champion. 25 bred heifers by **GOLDMASTER**, a son of Goldfinder's Masterpiece by the $7,000 Supreme Goldfinder. Many are mated to **KELBURN SATISFACTION**. 13 attractive open heifers. 4 splendid **4-H** Club Calves. All sell fully guaranteed. All **T.B.** and **BANGS** tested. COME. Ask for **FREE** illustrated catalog. Kindly mention this publication. Address

MERVIN F. AEGERTER, Sale Mgr., SEWARD, NEBRASKA

Auctioneer, J. E. Halsey M. T. White, Fieldman

Hereford Dispersion

Of the Well-known Sisk Bros.

Sale pavilion north edge of town

GRANT CITY, MISSOURI
TUESDAY, NOV. 29th

Starting promptly at 12:30 P. M.

150 HEAD Featuring the rich blood lines of Onward Vagabond 5th, Mr Vagabond, Beau Blanchard Jr., Dominick 14th, Advance A. L. Domino, Advance Publican 4th and Anxiety Domino. Proven herd sire sell Onward Vagabond 5th, a 6 year-old by Onward Vagabond. Many of his sons and daughters sell and females mated to him. 45 young cows with early calves, all rebred. Many calves will sell separate. 4 bred cows to calve soon. 45 bred and open heifers. Cattle sold just off pasture in breeding condition. Herd dispersed because of the tragic accident which took the lives of Mr. and Mrs. **Merl Sisk** and **Gayle Sisk**. All **T.B.** and **Bangs** tested. Ask for **FREE** catalog. Kindly mention this publication.

DONALD J. BOWMAN, Sale Mgr., HAMILTON, MISSOURI

Auctioneers, Fred Chandler, C. R. Dawson and Chas. Pike

WESTCOTT BROS. POLLED HEREFORDS

We are offering ten bred cows and heifers that are very choice. These are bred to **T. H. Comprest 23d**, the bull that has sired all our show cattle. Some of these are bred to **C. W. Diamond**, the top bull in our 1947 sale. Eight very choice open heifers, sired by **T. H. Comprest 23rd**, and one by **Westhaven Model 15th**, the bull we sold to go to Tennessee. Have some very choice herd bull prospects, that range in age from eight to fourteen months. These are strictly choice Polled Herefords with the best of breeding. If you want Polled Herefords you will have to act quickly. Write us now and see them. Address

WESTCOTT BROS., DENISON, IOWA

Every Time You Sell Buy U. S. Savings Bonds

SCHOBERT'S DISPERSION SALE

HEREFORD CATTLE

Stockyards Sale Pavilion

SIOUX CITY, IOWA

SATURDAY, NOVEMBER 26

STARTING PROMPTLY AT 11:00 A. M.

14 BULLS. - - - 50 FEMALES

This dispersion sale will offer breeders and farmers a wonderful opportunity in the selection of some mighty good Hereford cattle. Our foundation was laid with the purchase of some of the top females from the Hoffman Bros. herd of Winside, Nebraska, and we have always used the very best of bulls at the head of our herd that we could buy. Our present herd bulls were purchased from the Wiese & Sons herd of Manning, Iowa.

The 14 head of bulls include the two herd bulls, **MODEL DOMINO 2d** by Model Domino and **W. BATTLE INTENSE 9th** by Battle Intense 9th. 10 head of young husky bulls of serviceable ages sired by **EXCELL DOMINO**. These bulls will answer your needs. 21 cows with calves at foot and rebred again to the two herd bulls; 20 head of bred cows and two-year-old heifers and ten head of splendid open heifers sired by **EXCELL DOMINO**. Among the females will be daughters of Intense Domino 10th by Intense Domino; Mischief Stanway 288th by Mischief Stanway 101st; Danny by Excell Domino and Onward D 56th. It is in dispersion sales where you buy the bargains, so plan now to attend this sale. Write at once for the **FREE** catalog and kindly mention this publication. Address

DAN & EARL SCHOBERT, PAPILLION, NEBRASKA

Auctioneer, Chas. Corkle M. T. White, Fieldman

—ANNUAL—

IOWA POLLED HEREFORD

SHOW — 9:00 A. M., December 5th

SALE — 12:00 Noon, December 6th

Judge J. C. Holbert, Washington, Iowa

DES MOINES, IOWA

At State Fair Grounds, in comfortable heated pavilion

DECEMBER 5 & 6, 1949

80 HEAD — Outstanding Bulls and Top Females

This will be the greatest opportunity for farmers and breeders to buy **POLLED HEREFORDS** this season. A bull for every need. Bulls range in age from junior calves to strong **TWO-YEAR-OLDS** ready for heavy service. The females are practically all yearlings ready to put in any herd. A real opportunity to buy females at your own prices that are rich in pedigree and deep in quality. The consignors are:

P. M. Christensen & Son	Lone Rock, Iowa	Pullman Stock Farm	Sidney, Iowa
Menno Claassen	Beatrice, Neb.	Don Ries	Dickens, Iowa
Ben Curran	Mason City, Iowa	John C. Schulte	Norway, Iowa
Curran Stock Farm	Mason City, Iowa	Elmer Reece	Diagonal, Iowa
Mr. & Mrs. Elmer Gatton	What Cheer, Ia.	Frank Simpson	Diagonal, Iowa
Harold Hansen	Dickens, Iowa	J. A. Stovall	New Sharon, Iowa
Janssen Farms	Gilmore City, Iowa	Wm. McArthur & Son	Mason City, Iowa
Floyd Janssen	Thornton, Iowa	Westhaven Place	Denison, Iowa
Orin Johnson	Harcourt, Iowa	Wilbert Witte	Hampton, Iowa
Mrs. John J. Kelleher	Winterset, Iowa	Herman Wurster & Sons	Clearfield, Iowa
Krug Brothers	Atkins, Iowa	James B. Harbacheck	Moorland, Iowa
Melvin Krug	Atkins, Iowa	C. E. Smith	Mitchellville, Iowa
N. M. Leonard	Waukee, Iowa	Double LL Polled Hereford Farm	
F. L. & R. K. McCreary	Mt. Ayr, Iowa		Diagonal, Iowa
H. V. McLeod	St. Charles, Iowa	Oliver & Olson	Stronghurst, Illinois
J. C. Moore	Perry, Iowa	Hugh Smith	Stronghurst, Illinois

IOWA POLLED HEREFORDS are leading the way . . . a profitable investment for the farm producer. Plan to attend this event on your way to the Western National at Denver. Come early and see the cattle judged. All show cattle sell and all sale cattle show. Kindly mention this publication when writing for **FREE** catalog. Address inquiries for sale catalogs to

LEIGH R. CURRAN, Secy. and Sale Mgr., MASON CITY, IOWA

Auctioneer, Fred Chandler Maurice Boney, Fieldman

Attend the Banquet and Annual Meeting, 6:30 P. M., Monday, December 5th, at Hotel Kirkwood. You will enjoy it.

50 REGISTERED HOLSTEINS

in the 4th Annual

"PARADE OF BULLS" SHOW AND SALE

SATURDAY, DECEMBER 3rd

At the Dairy Cattle Congress Sale Barn in Waterloo, Iowa

22 BULLS—Featuring the top breeding, show and production bred bulls of Iowa, all to compete for the $200 in prizes and then sell in the afternoon sale.

BULL FACTS—Fifteen have been champion, first or second at some leading State, District or County Fair in 1949. Included is the 1st bull calf at the Iowa State Fair, 1948, sired by a double grandson of the famous **"ROCK"** and **"ZUBA"** of Clyde Hill. One is from an 800 lb. fat producer, 4 from dams over 700 lbs. and all the others from 400 to 650 lb. fat dams. There is a 3-year-old that is from the same dam as the former world's champion 4-year-old cow, Bess Skylark Ormsby Dora, with 1,064 fat. His own dam is also a former national champion producer with 731 fat 2x, at 12 years. All are ready for heavy service, 17 are yearlings, three are 2 years and two are 3-year-olds. Four are grandsons of "Burke," 2 by his son, **REGAL**, and 2 by the $5,000 Pabst Piebe Burke Tritomia. Four are grandsons of the "GOLD MEDAL" sire, **TRANSMITTER**, four are grandsons of Montvic Chieftain Posch, high Index sire of Iowa, 1943. Others of equally popular breeding.

NOTE—Breeders tell me this will be the greatest assemblage of high record, popular bred and top show bulls of the Holstein breed ever to sell in Iowa. The show starts at 10 A. M., everybody takes part in the judging, so come early. We expect to be prepared to handle the large crowds better than past years so that all can see the entries and compete for the prizes awarded to the public. Make this a holiday and meet the rest of Iowa's Holstein breeders. Lunch available on the grounds all day. Sale starts at 12 o'clock. Be our guest.—Sales Mgr.

28 COWS AND HEIFERS—Fresh and springing cows with records up to 500 lbs. fat. Bred and open heifers from dams from 300 to 600 lbs. fat. Several heifer calves from a few weeks to a few months old that will be outstanding for foundation or 4-H purposes.

All animals will have recent T.B. and Bangs tests. Most of the females will be Calfhood Vaccinated. Catalogue available after November 21.

CLAUDE E. WYLAM, Sales Mgr., WAVERLY, IOWA

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Circle A's 2nd

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SELLING 60 FASHIONABLY BRED HEREFORDS

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5th Annual Sale

Iowa Brown Swiss

Waterloo Dairy Cattle Congress

WATERLOO, IOWA

THURSDAY, DEC. 1st

64 HEAD Choice breeding, outstanding individuals, selected from **34** leading breeders in Iowa, rich in breeding with plenty of production. **3** bulls that are truly tops in blood lines and backed by a world of production. **61** wonderful females—**35** cows . . . many with records over **500 lbs.** on **2X** milkings . . . some classified **"Very Good."** **26** beautiful heifers, some are bred, the others are open. One of the best offerings ever presented in our state series. Plan to **COME.** Ask now for **FREE** catalog. Kindly mention this publication. Address either

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Livestock News

Holstein breeders from 19 states were on hand for the Maytag Dairy Farms dispersol sale at Newton, Iowa, October 31. The Mel Campbell-managed herd sold at a 136-lot average of $1,040, one of the highest sale averages in recent years.

Topping the sale was Maytag Ormsby Pontiac Josephine, a daughter of Sir Ormsby Fobes Dictator. She sold for $4,500 to Harold Goldsmith, of Redfield, Conn. Goldsmith was near the top on three other purchases: $4,000 for Dictator Fobes Pontiac Lass, also by Sir Ormsby Fobes Dictator; $3,100 for Dean Pontiac Josie; $3,000 for Maytag Ormsby Fobes Collenna.

Dr. Joe M. Pape, Chicago, took Maytag Ormsby Fobes Olivia at $4,000, and Maytag Ormsby Fobes Olive at $3,400. Creator Ormsby Fobes Dictator went to Ruby Acres, Elkhorn, Wis., at $3,000.

The State Breeding Association, Westley, Wis., paid $2,600 for the top bull, Maytag Ormsby Fobes 4th. Clarkdale Gloria Transmitter went for $2,200 to Harold Goldsmith. Maytag Burke Lassie Ormsby, an August bull calf by Pabst Burke Breeze Tritomia, sold for $1,650 to C. P. Walters, Geneva, Ill.

The Maytag dispersal was managed by A. W. Petersen.

The Spotted Poland China sale of Fitzgerald Bros.' Eureka Stock Farm, Boone, Iowa, October 19, brought a top of $920 on a boar sold to Carl and Walter Rieck, New Berlin, Ill. Second top was the $630 paid by Clarence Fix, Alma, Mich., and third top was the $600 paid by Russell Davis, Pleasant Plains, Ill.

Top gilt sold at $310 to W. A. Martin & Son, Jacksonville, Ill. Boars averaged $224 and gilts averaged $107. Auctioneers were Luke Gaule and M. J. Fitzgerald.

The Hampshire sale of Dale McGraw, at Pleasantville, Iowa, October 12, brought a boar top of $235, with Morris Legler, Letts, Iowa, the buyer. Top gilt sold for $175 to Lawrence Putney, Gladbrook, Iowa.

Thirty boars averaged $95, with 32 gilts at $85, and 40 off-marked gilts at $60.

Walter Wellhoeffer, Stratford, Wis., got $510 for top boar in his Spotted Poland China sale at Algona, Iowa, October 19. Buyers were Spaulding Bros. & Beckwith, Valley, Neb. Bert Geerdes & Son, Lakota, Iowa, paid next high of $350.

Top gilt sold for $140. The entire offering of 62 spring pigs sold for an average of $102.

Biggest International

With most entries closed, officials of the International Livestock Exposition expect the 50th anniversary show to be the biggest ever held.

The Golden Jubilee edition is slated for November 26 thru December 3, in the amphitheater of the Chicago stockyards.

W. E. Ogilvie, secretary-manager, anticipates the biggest cattle exhibition ever assembled in the United States.

Other divisions of the show are also expected to be larger. In store for the thousands of farm folks who will flock to Chicago for the annual event will be the greatest display of America's agricultural wealth ever housed under one roof.

While entries for individual livestock showings are closed, carlot classes for fat cattle, sheep and swine will accept entries thru November 21.

Seventy-eight well-known stockmen, packers, agricultural college specialists and horsemen, representing 16 states and Canada have been selected to choose the winners in livestock classes, the horse show and the grain show.

At the head of the judges' panel again this year will be Dr. A. D. Weber, Kansas State College cattle man. He will judge all the individual steer classes.

Weber's work of judging steers at the 1948 show proved so popular that he was called back to repeat this year. Weber is the first American to judge these classes. The International departed from the tradition of foreign steer judges last year.

On the opening day, Weber will judge steers in the junior livestock feeding contest. Monday, he will select steers in the open classes, and continue to Tuesday afternoon, when he will pick the grand champion steer.

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Coming Livestock Sales

ABERDEEN ANGUS

Dec. 8—Dispersion Sale, E. L. Osborn, Belford, Iowa; sale at the John Warin Pavilion, Maloy, Iowa.
Feb. 6-7—Iowa State Angus Show and Sale, Cedar Rapids, Iowa; Gerald D. Parks, Secy., Ames, Iowa.
Mar. 13—Interstate Breeders Show and Sale, Sioux City, Iowa; P. K. Pratt, Secy., Walnut, Iowa.

HEREFORDS

Nov. 25—Circle A Hereford Farm, Morris, Ill.
Nov. 26—C. A. Iverson, Ames, Iowa; sale at farm, Ames, Iowa.
Nov. 26—Dan and Earl Schobert, Papillion, Neb.; sale at Sioux City, Iowa.
Nov. 29—International Sale, Chicago, Ill.
Nov. 29—Sisk Bros., Grant City, Mo. (Dispersion); Don J. Bowman, Sale Mgr., Hamilton, Mo.
Dec. 1—J. T. Trindett, Rockwell City, Iowa (Dispersion); sale at Sac City, Iowa.
Dec. 17—Bill Ellerbrock, Laurel, Iowa; sale at Marshalltown, Iowa.
Jan. 4—East-Central Iowa Hereford Association Sale, Davenport, Iowa; Roy Wiese, Mgr., Donahue, Iowa.
Jan. 12—Orient Hereford sale, Orient, Iowa; Harold Kellion, Mgr., Greenfield, Iowa.
Jan. 23-24—Iowa State Show and Sale, Cedar Rapids, Iowa; J. C. Holbert, Mgr., Box 492, Washington, Iowa.
Feb. 23—John Wisdom, Des Moines, Iowa.

POLLED HEREFORDS

Dec. 5-6—Iowa Polled Hereford Association Show and Sale, Des Moines, Iowa; Leigh R. Curran, Secy., Mason City, Iowa.

SHORTHORNS

Nov. 30—International Shorthorn Congress Sale, Chicago, Ill.
Dec. 2—W. P. Lorenzen, Pilot Mound, Iowa; sale at Ogden, Iowa; Merv. Argerter, Sale Mgr., Seward, Neb.
Jan. 16—Tri-State Breeders Show and Sale, Sibley, Iowa; Albert Hamann, Mgr., Rock Rapids, Iowa.
Feb. 15—35th Annual Spring Show and Sale, Omaha, Neb.; Merv F. Argerter, Mgr., Seward, Neb.
Feb. 27—Southwest Iowa Breeders, Red Oak, Iowa; Mahlon Lomas, Secy.
Mar. 3—Illinois State Sale, Normal, Ill.; Hal Lindsly, Mgr., 16 S. Locust St., Aurora, Ill.
Mar. 6-7—Interstate Show and Sale, Sioux City, Iowa; E. E. Jackson, Secy., Hurley, S. D.
Mar. 11—Minnesota State Show and Sale, Blue Earth, Minn.; N. T. Findahl, Mgr., Waterville, Minn.
Mar. 13-14—Iowa Royal Show and Sale, Des Moines, Iowa; Albert Hamann, Mgr., Rock Rapids, Iowa.
Mar. 17—Breeders Sale, Abingdon, Ill.; Hal Lonsdale, Mgr., 16 S. Locust St., Aurora, Ill.
Mar. 27—Northwest Missouri Breeders, Maryville, Mo.; Jim Moyer, Mgr.
Mar. 28—Sioux Empire Club, Sioux Falls, S. D.; Al Halverson, Mgr.

POLLED SHORTHORNS

Nov. 23—Smith & Talbott (Dispersion), Lock Springs, Mo.; sale at Chillicothe, Mo.; Merv. Argerter, Mgr., Seward, Neb.
Dec. 1—International Congress Sale, Chicago, Ill.
Feb. 16—35th Annual Spring Show and Sale, Omaha, Neb.; Merv F. Argerter, Mgr., Seward, Neb.
Mar. 10—North Iowa Sale, Spencer, Iowa; Earl S. Girton, Sale Mgr., Box 282, Marshalltown, Iowa.
Mar. 15—Hawkeye Downs Sale, Cedar Rapids, Iowa; Earl S. Girton, Mgr., Box 282, Marshalltown, Iowa.

RED POLLS

Nov. 22—Iowa, Illinois and Wisconsin Breeders, Normal, Ill.; Burch Lee, Secy., Hartsburg, Ill.

MILKING SHORTHORNS

Nov. 26—Illinois Northwest District Breeders, Morrison, Ill.; Harold Martin, Secy., Erie, Ill.

DAIRY CATTLE

Nov. 11—D. L. Armann (Jersey), Polk City, Iowa; Dan N. Gates, Sale Mgr., West Liberty, Iowa.
Nov. 19—Guernsey Dispersal, Victor E. Geistfeld; G. R. Melin, Sale Mgr., Minneapolis, Minn.
Dec. 2—"Parade of Holstein Bulls" Show and Sale, Waterloo, Iowa; Claude E. Wylam, Mgr., Waverly, Iowa.

CHESTER WHITES

Feb. 9—Roy V. Copp, Glidden, Iowa.

POLAND CHINAS

Jan. 30—I. R. McClarnon, Braddyville, Iowa.

SHEEP

Dec. 3—North American Suffolk Breeders, Oskaloosa, Iowa.
Dec. 3—International Hampshire Breeders, Oskaloosa, Iowa.
Dec. 8—Iowa Corriedale Sale, Bloomfield, Iowa; Olaf Smith, Mgr., Central, Iowa.

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We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Livestock News

Top boar in the Spotted Poland China sale of A. J. Anderson & Sons, Kellogg, Iowa, October 13, sold for $900 to Clifford Golf, Burwell, Neb. The 1949 Iowa reserve champion sold at $675 to Elmer Hattig, Laurel, Neb.

Prices of $450 and $330 were paid by Elmer Belzer, Dunbar, Neb., and Bill Custer, Clearwater, Neb. The 42 head averaged $172.

An average of $119 on 35 Hampshire boars was registered at Fred Michaelson's sale at Ida Grove, Iowa, October 19. Six-teen gilts averaged $76, and 57 head of off-marked boars and gilts averaged $65.

Top boar went to Herman Kruse & Son, Loretto, Neb., at $285. Gilt top was the $130 paid by H & H Farms, Nebraska City, Neb. Auctioneer was G. Shaw.

A top of $500 was reached in the Northwest Missouri Hereford Association's sale at Memphis, Mo., October 28. C. C. Bledsoe, Mexico, Mo., paid that figure for an October yearling bull sired by WHR Royal Duke 41st, and consigned by J. W. Dunn & Sons, Greensburg, Mo. The 15 bulls averaged $322.

A cow and calf combination brought $475.50, to top the female division. Forty females averaged $252. A $207 average was made on 22 club heifers and steers.

Iowa buyers took 200 head, 14 went to Illinois, and the rest to Missouri buyers. Auctioneer was Guy Pettit.

A $1,000 top was made at the sale of Poland China boars of F. L. McKay, Ida Grove, Iowa, October 26. Top boar went to Ben Emmert, Mason City, Iowa. Donald McKenzie, Malta, Ill., paid second top of $505.

The sale's 40 head sold at an average of $127.50.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

THE 1950 FARM OUTLOOK looks brighter than many folks had expected earlier this year. The USDA predicted this month that while there will be a continuation of the price squeeze on the farmer in 1950, just as has been the case this year, there is no depression in sight and farmers will continue to be better off than before the war. While post-war livestock prices have dropped some 20 per cent, feed costs have declined even more, so livestock feeding will continue to be good business in the year ahead.

MEMORIES of the old-time corn picking contests were revived in Iowa again recently when Radio Station WMT sponsored a national corn harvesting contest involving mechanical pickers instead of the old "arm-strong" system. As in the case of the old hand husking matches, cleanliness and thoroughness of corn picking, as well as the amount husked, were contest considerations. A. H. Bennett, of Dallas Center, with a one-row pull-type picker, was the victor, with 59 bushels netted in the 20-minute husking period.

OMAHA LIVESTOCK yard officials concluded that Iowa farmers can grow 'em big recently when a load of cattle shipped by George Rosenow, farmer of near Earling, proved to be the heaviest consignment ever received at the Omaha yards. Rosenow's 15 steers averaged 1,960 pounds each and sold for the neat little sum of $604 apiece. However, they ate up about 500 bushels of corn apiece in the process.

THIS IS THE dangerous time of the year for "flu" in hogs, especially if they are hogging down corn. There are many established ways of taking care of simple flu, and Walnut Grove Minerals can play an important part in helping handle this situation. Among many of our customers in Page and Fremont counties, Iowa, who use Walnut Grove in their feeding plans, we find Carl Fisher & Son, Oliver Bricker, F. D. Stooker, Carl Franzen, Raymond W. Houston, Earl Youst and Frank Laughlin. These men receive Walnut Grove service from our representative there, Perry Tinnell, of Shenandoah.

"PIGS IS MORE than just pigs," in the opinion of North Carolina State College officials. And their findings should induce a lot of people to change their attitude toward hogs. The Carolinians say pigs have been badly misunderstood, and, as many farmers know, contrary to common opinion, pigs are about the cleanest animals on the farm. What's more, the college officials, in comparing the mentality of hogs with that of the highly rated chimpanzee, found porkers have considerably the higher I. Q. of the two.

THAT GOOD FEEDING is essential to achieving egg profits is again emphasized in a University of Illinois report showing that for a five-pound hen 65 pounds of feed are required for body maintenance alone, and an additional pound of feed is needed for every seven eggs produced. Moreover, a hen laying 200 eggs a year must deposit some 40 ounces of mineral matter just for the shells alone, and since a hen has only some two ounces of mineral matter in her body normally, minerals certainly are a necessary addition to the ration.

THAT MUCH discussed and hotly debated long-time farm bill has become the agricultural "law of the land," now that President Truman has signed the new legislation. General features of the bill give the agricultural secretary the broad authority of fixing price supports, and for 1950 those supports on almost every farm product can be up at 90 per cent of parity if the secretary deems it advisable.

WHEN LIVESTOCK is not able to secure much succulence from the pastures in the fall, then is a good time to supply these animals with the necessary mineral ingredients found in a complete mineral like Walnut Grove. Men of Grundy county, Iowa, among many others who use Walnut Grove Minerals in all of their feeding plans, include Sam Hohenberger, Frank Servance, William and John Jungling, brothers on two farms, Jake G. Meester, Herman Wiltfang, and Martin Henze. These men receive their Walnut Grove through our long-time representative there, Sam Konken.

SAFE DRIVING is something all of us are striving for, and it's high time more of us are achieving the goal set by a group of rural Iowa young people. Junior Farm Bureau organizations in 12 Iowa counties recently held a safe drivers' skill contest at the state fair grounds. Patterned after the truck and tractor rodeos, the tests included a written examination covering highway laws, a safe driving demonstration and negotiation of an auto over an obstacle course. Ralph Bock, of Glidden, was the style winner.

TRAPPING TIME is here. Many farmers and farm youngsters will be making extra dollars catching common fur bearers. Of course, there will be some disappointments, but in case you don't get the skunk you're trying for, don't feel too badly. Government wildlife officials say that skunks, along with hawks and owls, save American farmers millions of dollars each year by killing off mice and insects.

IT IS WITH PRIDE that Walnut Grove Products Company continues to offer to its many mineral customers the highest quality that can be obtained in minerals. Not only does Walnut Grove make quality products, but it makes a product that produces results in the livestock feedyards of the Corn Belt. Over in McDonough county, Illinois, among our many customers there who use Walnut Grove in all of their feeding plans, we find Dwight Phillips, Wendell Driscell, Davis Motor Company, Wendell Farms, Art Grate, Byers Hensley and Carl Edman. These men secure their mineral through our representative in that territory, Willis Foster, of Blandinsville, Ill.

THANKSGIVING TIME is almost upon us again, and we can't very well close this column without saying that once again the people of America have much to be grateful for. As for those of us on farms and with farm interests, 1949 has been another very good year, with good crops and fairly good prices. Meanwhile, just about all Americans can have turkey on the Thanksgiving table this year. There's a record supply of gobblers on hand. Or, if you prefer, a duck or chicken or a nice roast will also do nicely gracing holiday platters.

Walnut Grove Minerals

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Livestock News

Carl Retzlaff's Shorthorn sale, at Walton, Neb., October 26, saw Braemoor Starry Archer 38th, the 1949 Iowa first prize winner and Nebraska reserve grand champion, sell for $2,550 to R. C. Boeger & Son, Salisbury, Mo.

Mrs. Sara Dixon paid second bull top of $1,475, and F. B. Morris, Murtaugh, Idaho, paid $1,400.

Top female was Golden Chain 67th, a daughter of Millhills Starry Archer, Nebraska grand champion. She sold for $1,100 to Leroy Brown, Lamoni, Iowa. Clausen Bros., Spencer, Iowa, paid $810 for Clara Belle 2181; Howard Hildreth, Terril, Iowa, paid $680 for Lady Goldie 64th, and Holz Bros., of Rippey, Iowa, paid $510 for Rosemary 22d.

Thirteen bulls averaged $775 and 36 females $503, for a general average of $575. They went to buyers in these five states: Iowa (21 head), Nebraska (22), Kansas (5), Idaho (2), Missouri (1). Auctioneers were J. E. Halsey and J. Tonner.

A top of $725 was paid at the Eastern Iowa Shorthorn Breeders' first annual sale, at Cedar Rapids, Iowa, October 25. Donald Johnson, Oxford, Iowa, gave that price for a yearling son of MF Royal Leader, consigned by Urice Bros., Vinton, Iowa.

Another year-old bull from the Urice herd sold to Robert Browne, Baldwin, Iowa, at $450. The sale's 20 bulls averaged $329.

Thirty females, including some young heifers, sold for a $250 average. Female top was the $550 paid by A. H. Fennern, Vinton, for a five-year-old row with bull calf at side, from the herd of W. C. Anderson & Son, West Liberty, Iowa.

The sale was managed by Albert Hamann, Rock Rapids, Iowa, fieldman for the Iowa Shorthorn Breeders Association, and cried by J. E. Halsey. All cattle sold to Iowa buyers.

Graber Hereford Farm, Mineral Point, Wis., consigned champions and reserve champions in both bull and female divisions of the Wisconsin Hereford Breeders Association annual sale, at Madison, October 29.

A Graber extra, CA Royal Domino T 9th, topped the sale at $1,000, going to H. D. Thomas, Dousman, Wis. Seventeen bulls averaged $414.

Dr. Merlin V. Nason, Owen, Wis., paid $500 for the champion female. The 51 females, many of them young open heifers, sold for a $302 average. Tom Sherlock and J. E. Halsey handled the selling.

Buyers from Iowa, Missouri and Nebraska snapped up offerings at L. R. McClarnon's Poland China sale, at Braddyville, Iowa, October 29. An average of $91 was paid for 29 boars, with 12 gilts averaging $75.

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VINTON—Cameron Clothing Co.

WASHINGTON—B & B Store
WATERLOO—Gildner Bros.
WATERLOO—Jake & Bill
WAUKON—B & B Store
WAVERLY—Leuthold Johanpaus Co.
WEBSTER CITY—A. L. Frank
WELLMAN—The Toggery
WELLSBURG—Henry F. Brewer
WEST DES MOINES—Jacobson's
WEST LIBERTY—Ruthenbeck Clo. Co.
WEST UNION—Schatz & Schatz
WINTERSET—Chas. Rowe Clo. Co.

*Space limitation prohibits complete listing.